Organic Analysis:
Semi-Volatile Organic Compounds by GC/MS

Validation Package

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Validation Package

Standards Data

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Battelle Memorial Institute
Project: Novato Ballfields/G486063

Service Request: K2502554
Date Analyzed: 04/15/2005
Time Analyzed: 10:13

Tune Summary
Semi-Volatile Organic Compounds by GC/MS

File ID: J:\MS10\DATA\041505\0415T001.D
Instrument ID: MS10
Column:

Analysis Method: 8270C
Analysis Lot: KWG0506208

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	30	80	38.5	29825	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	45.4	35120	PASS
70	69	0	2	1.3	457	PASS
127	198	25	75	38.5	29832	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	77408	PASS
199	198	5	9	6.7	5186	PASS
275	198	10	30	26.0	20104	PASS
365	198	1	100	4.4	3416	PASS
441	443	0	100	86.1	10226	PASS
442	198	40	110	83.6	64712	PASS
443	442	15	24	18.3	11870	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG0506208-2	J:\MS10\DATA\041505\0415F001.D	04/15/2005	10:13	
Continuing Calibration Verification	KWG0506208-2	J:\MS10\DATA\041505\0415F002.D	04/15/2005	11:01	
Method Blank	KWG0505755-7	J:\MS10\DATA\041505\0415F003.D	04/15/2005	11:41	
Lab Control Sample	KWG0505755-5	J:\MS10\DATA\041505\0415F004.D	04/15/2005	12:22	
Duplicate Lab Control Sample	KWG0505755-6	J:\MS10\DATA\041505\0415F005.D	04/15/2005	13:01	
TO63-IDW-01	K2502554-001	J:\MS10\DATA\041505\0415F006.D	04/15/2005	13:40	
Batch QC	K2502499-011	J:\MS10\DATA\041505\0415F010.D	04/15/2005	16:22	
Batch QCMS	KWG0505755-1	J:\MS10\DATA\041505\0415F011.D	04/15/2005	17:01	
Batch QCDMS	KWG0505755-2	J:\MS10\DATA\041505\0415F012.D	04/15/2005	17:41	

Results flagged with an asterisk (*) indicate the analysis performed outside specified tune window

Exception Report

Data File: J:\MS10\DATA\041505\0415T001.D
Lab ID: KWG0506208-1
RunType: TUNE
Matrix: SOLID

Date Acquired: 04/15/2005 10:13
Date Quantitated:
Batch ID: KWG0506208
Analysis Method: 8270C
MethodJoinID: MJ142

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Ion Ratio	NA	NA	NA	x	

Primary Review: 4/18/05

Secondary Review:

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SOLID
Prod Code:	8270-LL	**Collect Date:**		**Receive Date:**	04/18/2005

Analysis Lot:	KWG0506208	**Prep Lot:**		**Report Group:**	
Analysis Method:	DFTPP	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\MS10\METHODS\BNA\0412BNLL.M	**Calibration ID:**	CAL4375
Title:		**Report List ID:**	LJ1747
Tune Ref:		**Method ID:**	MJ190
MB Ref:		**Quant based on Report List**	

Data File:	J:\MS10\DATA\041505\0415T001.D			**Instrument:**	MS10
Acqu Date:	04/15/2005 10:13	**Quant Date:**		**Vial:**	1
Run Type:	TUNE			**Dilution:**	1.0
Lab ID:	KWG0506208-1			**Soln Conc. Units:**	

Tune Results

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	30	80	38.5	29825	Pass
68	69	0	2	0.0	0	Pass
69	198	0	100	45.4	35120	Pass
70	69	0	2	1.3	457	Pass
127	198	25	75	38.5	29832	Pass
197	198	0	1	0.0	0	Pass
198	198	100	100	100.0	77408	Pass
199	198	5	9	6.7	5186	Pass
275	198	10	30	26.0	20104	Pass
365	198	0.75	100	4.4	3416	Pass
441	443	0.01	100	86.1	10226	Pass
442	198	40	110	83.6	64712	Pass
443	442	15	24	18.3	11870	Pass

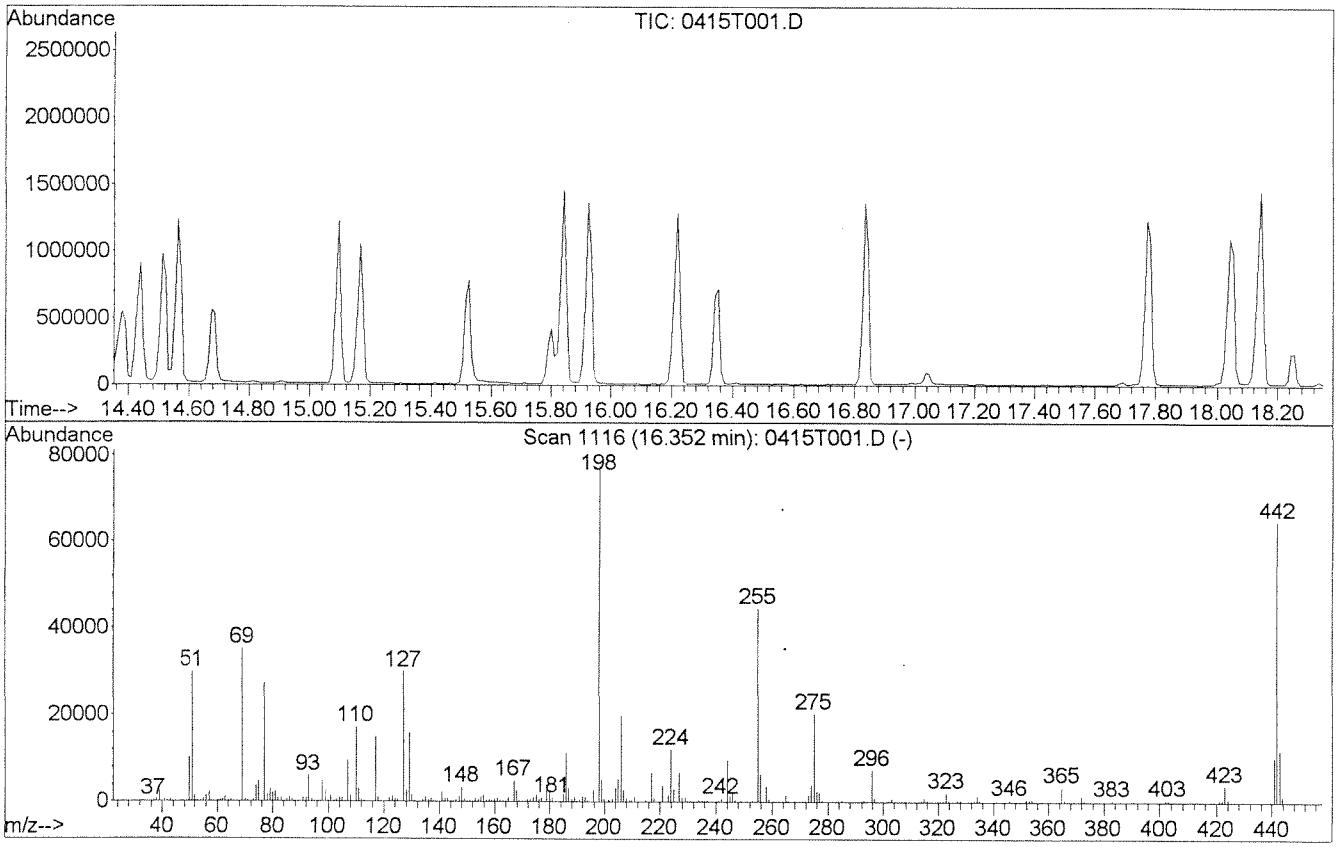
U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File : J:\MS10\DATA\041505\0415T001.D
Acq On : 15 Apr 2005 10:13 am
Sample : 8270-LL @ 3/6ppm SVM19-29A
Misc :
MS Integration Params: RTEINT.P
Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL

Vial: 1
Operator: JGISH
Inst : MS10
Multiplr: 1.00



Spectrum Information: Scan 1116

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	80	38.5	29825	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	45.4	35120	PASS
70	69	0.00	2	1.3	457	PASS
127	198	25	75	38.5	29832	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	77408	PASS
199	198	5	9	6.7	5186	PASS
275	198	10	30	26.0	20104	PASS
365	198	0.75	100	4.4	3416	PASS
441	443	0.01	100	86.1	10226	PASS
441	443	0.01	100	86.1	10226	PASS
442	198	40	110	83.6	64712	PASS
443	442	15	24	18.3	11870	PASS

0415T001.D 0412BNLL.M Mon Apr 18 10:16:08 2005

Scan 1116 (16.352 min): 0415T001.D
8270-LL @ 3/6ppm SVM19-29A
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	65	49.90	10082	61.90	614	74.95	4807
36.90	275	50.95	29825	62.95	1118	77.00	27205
37.95	631	52.00	1360	63.90	255	78.00	1656
38.95	2660	52.95	130	64.95	533	79.00	2990
39.90	159	54.05	160	65.90	142	79.90	2047
40.95	546	54.90	859	66.90	228	80.90	2406
42.05	145	55.90	1320	68.95	35120	81.90	762
43.00	452	56.95	2315	70.05	457	82.90	788
44.00	19	57.85	183	70.90	101	83.95	93
44.90	34	60.00	179	72.95	300	85.05	577
46.95	123	60.90	398	73.95	3703	85.90	1043

Scan 1116 (16.352 min): 0415T001.D
8270-LL @ 3/6ppm SVM19-29A
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
86.95	426	99.90	285	112.90	170	126.95	29832
87.95	250	100.90	1351	115.00	50	128.00	2551
88.95	16	101.90	141	116.90	14933	128.90	15882
90.90	938	102.95	521	117.90	1019	129.90	1535
91.95	876	103.95	914	118.90	163	130.90	277
92.90	5888	104.95	790	120.05	119	131.90	129
94.00	471	106.95	9580	121.05	150	132.90	72
95.00	144	107.85	1375	121.85	821	133.90	450
96.05	178	109.95	17016	122.95	1248	134.90	1089
97.85	4736	111.00	2952	123.85	605	135.90	454
98.90	2618	111.90	411	124.95	587	136.95	728

Scan 1116 (16.352 min): 0415T001.D
8270-LL @ 3/6ppm SVM19-29A
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
137.85	254	150.90	335	161.95	376	173.95	861
140.85	2249	151.80	137	163.00	155	174.95	1488
141.95	764	152.90	755	163.90	171	175.95	658
142.85	592	153.95	544	164.85	934	176.85	936
143.95	156	154.95	1054	166.90	4763	178.85	3998
145.00	107	155.95	1499	167.90	2543	179.90	2032
145.90	508	157.05	316	168.90	334	180.90	1001
147.10	1193	157.85	533	169.90	233	181.90	209
147.90	3292	158.85	329	170.95	231	182.60	104
148.90	611	159.85	615	171.85	450	183.80	361
149.80	173	160.85	819	172.85	476	184.90	1629

Scan 1116 (16.352 min): 0415T001.D
8270-LL @ 3/6ppm SVM19-29A
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
185.90	11118	198.90	5186	209.85	350	227.75	866
186.90	3076	199.80	521	210.85	1038	228.85	1024
187.95	455	201.40	400	214.90	405	229.75	171
188.95	1042	201.90	191	216.90	6714	230.90	410
189.85	201	202.90	707	217.80	806	231.90	136
190.85	446	203.90	3234	218.90	132	232.90	112
191.85	1233	204.95	5262	220.90	3708	233.90	493
192.95	1170	205.95	19944	222.95	1462	235.00	359
193.85	319	206.90	2658	223.95	12021	235.90	291
195.85	2687	207.90	683	224.95	2998	236.90	340
197.90	77408	208.95	332	226.85	6719	238.80	282

Scan 1116 (16.352 min): 0415T001.D
8270-LL @ 3/6ppm SVM19-29A
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
239.75	161	252.80	270	271.80	156	292.05	120
240.85	315	254.90	44608	272.90	1478	292.85	346
241.85	752	255.90	6444	273.95	3904	293.95	171
243.95	9567	257.85	3490	274.95	20104	295.85	7326
244.95	1243	258.85	580	275.95	2544	296.85	978
245.85	2335	259.85	142	276.85	2112	301.10	103
246.85	435	263.75	162	277.85	325	301.90	149
247.80	133	264.90	1599	282.90	197	302.90	804
248.90	283	265.80	214	283.90	155	304.00	208
250.90	117	267.80	121	284.90	388	307.85	109
251.70	110	270.90	195	288.80	114	313.85	321

Scan 1116 (16.352 min): 0415T001.D
8270-LL @ 3/6ppm SVM19-29A
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
314.85	869	334.90	308	382.85	356	441.90	64712
315.85	366	340.90	203	389.80	137	442.90	11870
320.90	202	345.85	531	390.70	123	443.90	1182
321.90	145	351.90	491	401.90	413	444.85	104
322.90	2118	352.90	379	402.90	511		
323.90	344	353.90	550	403.90	200		
326.85	395	354.80	132	420.90	496		
327.95	237	364.85	3416	421.90	492		
331.85	185	365.75	476	422.90	3726		
332.95	256	371.90	1144	423.90	715		
333.90	1383	372.90	340	440.90	10226		

Client: Battelle Memorial Institute
Project: Novato Ballfields/G486063

Service Request: K2502554
Calibration Date: 04/12/2005

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL4375
Instrument ID: MS10

Column: MS

Level ID	File ID	Level ID	File ID
A	J:\MS10\DATA\041205\0412F003.D	H	J:\MS10\DATA\041205\0412F010.D
B	J:\MS10\DATA\041205\0412F004.D	I	J:\MS10\DATA\041205\0412F011.D
C	J:\MS10\DATA\041205\0412F005.D	J	J:\MS10\DATA\041205\0412F012.D
D	J:\MS10\DATA\041205\0412F006.D	K	J:\MS10\DATA\041205\0412F013.D
E	J:\MS10\DATA\041205\0412F007.D	L	J:\MS10\DATA\041205\0412F014.D
F	J:\MS10\DATA\041205\0412F008.D	M	J:\MS10\DATA\041205\0412F015.D
G	J:\MS10\DATA\041205\0412F009.D	N	J:\MS10\DATA\041205\0412F016.D

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
1,2,4,5-Tetrachlorobenzene															
										I	100	0.729	J	200	0.704
	K	1000	0.740	L	2000	0.722	M	3000	0.746	N	5000	0.767			
‡ Phenol	A	100	1.55	B	500	1.30	C	1000	1.29	D	2000	1.37	E	4000	1.39
	F	6000	1.32	G	8000	1.30	H	10000	1.28						
Bis(2-chloroethyl) Ether	A	100	1.06	B	200	1.05	C	500	1.09	D	1000	1.18	E	2000	1.14
	F	3000	1.12	G	4000	1.13	H	5000	1.15						
2-Chlorophenol	A	100	1.18	B	500	1.05	C	1000	1.06	D	2000	1.14	E	4000	1.11
	F	6000	1.12	G	8000	1.09	H	10000	1.11						
2-Methylphenol	A	100	0.983	B	500	0.831	C	1000	0.820	D	2000	0.858	E	4000	0.830
	F	6000	0.817	G	8000	0.803	H	10000	0.817						
Bis(2-chloroisopropyl) Ether	A	100	2.28	B	200	2.19	C	500	2.10	D	1000	2.22	E	2000	2.13
	F	3000	1.99	G	4000	1.94	H	5000	1.90						
Acetophenone															
										I	100	1.84	J	200	1.66
	K	1000	1.59	L	2000	1.57	M	3000	1.60	N	5000	1.56			
4-Methylphenol	A	100	1.35	B	500	1.21	C	1000	1.19	D	2000	1.26	E	4000	1.23
	F	6000	1.22	G	8000	1.16	H	10000	1.19						

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Battelle Memorial Institute
Project: Novato Ballfields/G486063

Service Request: K2502554
Calibration Date: 04/12/2005

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL4375
Instrument ID: MS10

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
† N-Nitrosodi-n-propylamine	A	100	1.06	B	200	0.902	C	500	0.901	D	1000	0.902	E	2000	0.920
	F	3000	0.890	G	4000	0.852	H	5000	0.820						
Hexachloroethane	A	100	0.601	B	200	0.612	C	500	0.619	D	1000	0.636	E	2000	0.642
	F	3000	0.649	G	4000	0.643	H	5000	0.651						
Nitrobenzene	A	100	1.42	B	200	1.38	C	500	1.37	D	1000	1.43	E	2000	1.46
	F	3000	1.40	G	4000	1.40	H	5000	1.41						
Isophorone	A	100	0.581	B	200	0.588	C	500	0.620	D	1000	0.607	E	2000	0.628
	F	3000	0.641	G	4000	0.633	H	5000	0.638						
‡ 2-Nitrophenol	A	100	0.185	B	500	0.191	C	1000	0.187	D	2000	0.197	E	4000	0.197
	F	6000	0.207	G	8000	0.206	H	10000	0.207						
2,4-Dimethylphenol	A	100	0.275	B	500	0.259	C	1000	0.253	D	2000	0.273	E	4000	0.263
	F	6000	0.274	G	8000	0.268	H	10000	0.266						
Bis(2-chloroethoxy)methane	A	100	0.383	B	200	0.388	C	500	0.405	D	1000	0.414	E	2000	0.421
	F	3000	0.428	G	4000	0.425	H	5000	0.423						
‡ 2,4-Dichlorophenol	A	100	0.307	B	500	0.280	C	1000	0.278	D	2000	0.301	E	4000	0.299
	F	6000	0.307	G	8000	0.309	H	10000	0.303						
Naphthalene	A	100	0.916	B	200	0.930	C	500	0.987	D	1000	0.965	E	2000	0.986
	F	3000	1.02	G	4000	1.01	H	5000	1.01						
4-Chloroaniline	A	100	0.391	B	200	0.429	C	500	0.445	D	1000	0.463	E	2000	0.494
	F	3000	0.494	G	4000	0.484	H	5000	0.456						
‡ Hexachlorobutadiene	A	100	0.225	B	200	0.229	C	500	0.246	D	1000	0.237	E	2000	0.253
	F	3000	0.258	G	4000	0.258	H	5000	0.256						

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† **SPCC Compound**

‡ **CCC Compound**

Client: Battelle Memorial Institute
Project: Novato Ballfields/G486063

Service Request: K2502554
Calibration Date: 04/12/2005

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL4375
Instrument ID: MS10

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Caprolactam															
										I	100	0.192	J	200	0.183
	K	1000	0.176	L	2000	0.183	M	3000	0.194	N	5000	0.192			
Benzaldehyde															
										I	100	0.921	J	200	0.862
	K	1000	0.895	L	2000	0.933	M	3000	0.919	N	5000	0.929			
‡ 4-Chloro-3-methylphenol	A	100	0.296	B	500	0.271	C	1000	0.272	D	2000	0.284	E	4000	0.281
	F	6000	0.300	G	8000	0.290	H	10000	0.295						
2-Methylnaphthalene	A	100	0.523	B	200	0.557	C	500	0.553	D	1000	0.551	E	2000	0.596
	F	3000	0.616	G	4000	0.603	H	5000	0.588						
† Hexachlorocyclopentadiene							C	500	0.237	D	1000	0.309	E	2000	0.343
	F	3000	0.361	G	4000	0.369	H	5000	0.381						
‡ 2,4,6-Trichlorophenol	A	100	0.393	B	500	0.373	C	1000	0.388	D	2000	0.413	E	4000	0.407
	F	6000	0.414	G	8000	0.406	H	10000	0.420						
2,4,5-Trichlorophenol	A	100	0.432	B	500	0.403	C	1000	0.428	D	2000	0.445	E	4000	0.441
	F	6000	0.451	G	8000	0.434	H	10000	0.439						
Biphenyl															
										I	100	1.46	J	200	1.37
	K	1000	1.48	L	2000	1.47	M	3000	1.49	N	5000	1.51			
2-Chloronaphthalene	A	100	0.493	B	200	0.485	C	500	0.516	D	1000	0.525	E	2000	0.540
	F	3000	0.557	G	4000	0.531	H	5000	0.554						
2-Nitroaniline	A	100	0.450	B	200	0.453	C	500	0.487	D	1000	0.501	E	2000	0.509
	F	3000	0.516	G	4000	0.497	H	5000	0.505						
Dimethyl Phthalate	A	100	1.35	B	200	1.34	C	500	1.41	D	1000	1.46	E	2000	1.46
	F	3000	1.47	G	4000	1.44	H	5000	1.48						

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† SPCC Compound **‡ CCC Compound**

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Project: Novato Ballfields/G486063

Service Request: K2502554
Calibration Date: 04/12/2005

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL4375
Instrument ID: MS10

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
2,6-Dinitrotoluene	A	100	0.321	B	200	0.324	C	500	0.350	D	1000	0.354	E	2000	0.349
	F	3000	0.355	G	4000	0.364	H	5000	0.355						
Acenaphthylene	A	100	1.64	B	200	1.69	C	500	1.77	D	1000	1.76	E	2000	1.79
	F	3000	1.84	G	4000	1.79	H	5000	1.85						
3-Nitroaniline	A	100	0.280	B	200	0.316	C	500	0.338	D	1000	0.358	E	2000	0.363
	F	3000	0.361	G	4000	0.357	H	5000	0.355						
‡ Acenaphthene	A	100	0.989	B	200	0.980	C	500	1.04	D	1000	1.05	E	2000	1.07
	F	3000	1.06	G	4000	1.06	H	5000	1.06						
† 2,4-Dinitrophenol							C	1000	0.0535	D	2000	0.113	E	4000	0.146
	F	6000	0.176	G	8000	0.176	H	10000	0.194						
† 4-Nitrophenol				B	500	0.135	C	1000	0.156	D	2000	0.195	E	4000	0.204
	F	6000	0.226	G	8000	0.227	H	10000	0.240						
Dibenzofuran	A	100	1.69	B	200	1.64	C	500	1.67	D	1000	1.76	E	2000	1.77
	F	3000	1.78	G	4000	1.78	H	5000	1.78						
2,4-Dinitrotoluene	A	100	0.345	B	200	0.402	C	500	0.409	D	1000	0.448	E	2000	0.451
	F	3000	0.469	G	4000	0.467	H	5000	0.466						
Diethyl Phthalate	A	100	1.41	B	200	1.24	C	500	1.29	D	1000	1.35	E	2000	1.34
	F	3000	1.39	G	4000	1.35	H	5000	1.38						
Fluorene	A	100	1.16	B	200	1.11	C	500	1.21	D	1000	1.27	E	2000	1.28
	F	3000	1.29	G	4000	1.26	H	5000	1.30						
4-Chlorophenyl Phenyl Ether	A	100	0.630	B	200	0.590	C	500	0.647	D	1000	0.656	E	2000	0.656
	F	3000	0.675	G	4000	0.657	H	5000	0.676						

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Battelle Memorial Institute
Project: Novato Ballfields/G486063

Service Request: K2502554
Calibration Date: 04/12/2005

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL4375
Instrument ID: MS10

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
4-Nitroaniline	A	100	0.257	B	200	0.311	C	500	0.321	D	1000	0.343	E	2000	0.350
	F	3000	0.351	G	4000	0.363	H	5000	0.366						
2-Methyl-4,6-dinitrophenol							C	1000	0.181	D	2000	0.232	E	4000	0.246
	F	6000	0.266	G	8000	0.254	H	10000	0.272						
‡ N-Nitrosodiphenylamine	A	100	0.773	B	200	0.806	C	500	0.799	D	1000	0.866	E	2000	0.857
	F	3000	0.886	G	4000	0.841	H	5000	0.896						
4-Bromophenyl Phenyl Ether	A	100	0.211	B	200	0.218	C	500	0.228	D	1000	0.230	E	2000	0.246
	F	3000	0.241	G	4000	0.237	H	5000	0.248						
Hexachlorobenzene	A	100	0.235	B	200	0.246	C	500	0.256	D	1000	0.254	E	2000	0.273
	F	3000	0.267	G	4000	0.275	H	5000	0.274						
Atrazine															
										I	100	0.247	J	200	0.240
	K	1000	0.240	L	2000	0.243	M	3000	0.239	N	5000	0.240			
‡ Pentachlorophenol							C	1000	0.0611	D	2000	0.0886	E	4000	0.112
	F	6000	0.121	G	8000	0.126	H	10000	0.134						
Phenanthrene	A	100	1.12	B	200	1.11	C	500	1.10	D	1000	1.17	E	2000	1.20
	F	3000	1.19	G	4000	1.21	H	5000	1.21						
Anthracene	A	100	1.10	B	200	1.10	C	500	1.14	D	1000	1.16	E	2000	1.19
	F	3000	1.21	G	4000	1.23	H	5000	1.21						
Carbazole	A	100	1.02	B	200	0.998	C	500	0.994	D	1000	1.07	E	2000	1.10
	F	3000	1.09	G	4000	1.12	H	5000	1.09						
Di-n-butyl Phthalate	A	100	1.46	B	200	1.29	C	500	1.33	D	1000	1.36	E	2000	1.43
	F	3000	1.42	G	4000	1.45	H	5000	1.41						

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Battelle Memorial Institute
Project: Novato Ballfields/G486063

Service Request: K2502554
Calibration Date: 04/12/2005

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL4375
Instrument ID: MS10

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
‡ Fluoranthene	A	100	1.18	B	200	1.15	C	500	1.19	D	1000	1.19	E	2000	1.27
	F	3000	1.23	G	4000	1.26	H	5000	1.26						
Pyrene	A	100	1.55	B	200	1.52	C	500	1.50	D	1000	1.57	E	2000	1.61
	F	3000	1.57	G	4000	1.63	H	5000	1.47						
Butyl Benzyl Phthalate	A	100	0.735	B	200	0.719	C	500	0.723	D	1000	0.747	E	2000	0.763
	F	3000	0.768	G	4000	0.773	H	5000	0.731						
3,3'-Dichlorobenzidine	A	100	0.488	B	500	0.471	C	1000	0.462	D	2000	0.470	E	4000	0.480
	F	6000	0.479	G	8000	0.478	H	10000	0.465						
Benz(a)anthracene	A	100	1.26	B	200	1.24	C	500	1.27	D	1000	1.31	E	2000	1.33
	F	3000	1.34	G	4000	1.35	H	5000	1.31						
Chrysene	A	100	1.17	B	200	1.14	C	500	1.12	D	1000	1.18	E	2000	1.20
	F	3000	1.18	G	4000	1.18	H	5000	1.14						
Bis(2-ethylhexyl) Phthalate	A	100	1.01	B	200	0.916	C	500	0.892	D	1000	0.972	E	2000	0.994
	F	3000	0.996	G	4000	0.976	H	5000	0.947						
‡ Di-n-octyl Phthalate	A	100	1.97	B	200	1.93	C	500	2.02	D	1000	1.95	E	2000	2.08
	F	3000	2.11	G	4000	2.08	H	5000	2.14						
Benzo(b)fluoranthene	A	100	1.37	B	200	1.39	C	500	1.40	D	1000	1.36	E	2000	1.44
	F	3000	1.47	G	4000	1.42	H	5000	1.46						
Benzo(k)fluoranthene	A	100	1.37	B	200	1.33	C	500	1.40	D	1000	1.39	E	2000	1.43
	F	3000	1.40	G	4000	1.47	H	5000	1.50						
‡ Benzo(a)pyrene	A	100	1.34	B	200	1.28	C	500	1.33	D	1000	1.34	E	2000	1.43
	F	3000	1.42	G	4000	1.42	H	5000	1.43						

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Battelle Memorial Institute
Project: Novato Ballfields/G486063

Service Request: K2502554
Calibration Date: 04/12/2005

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL4375
Instrument ID: MS10

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Indeno(1,2,3-cd)pyrene	A	100	1.14	B	200	1.06	C	500	1.14	D	1000	1.17	E	2000	1.21
	F	3000	1.18	G	4000	1.21	H	5000	1.22						
Dibenz(a,h)anthracene	A	100	1.04	B	200	1.03	C	500	1.11	D	1000	1.12	E	2000	1.18
	F	3000	1.22	G	4000	1.19	H	5000	1.22						
Benzo(g,h,i)perylene	A	100	1.13	B	200	1.09	C	500	1.18	D	1000	1.18	E	2000	1.22
	F	3000	1.23	G	4000	1.22	H	5000	1.21						
2-Fluorophenol	A	100	0.971	B	200	1.02	C	500	1.11	D	1000	1.14	E	2000	1.15
	F	3000	1.13	G	4000	1.13	H	5000	1.14						
Phenol-d6	A	100	1.14	B	200	1.25	C	500	1.35	D	1000	1.38	E	2000	1.43
	F	3000	1.35	G	4000	1.38	H	5000	1.36						
Nitrobenzene-d5	A	100	1.24	B	200	1.24	C	500	1.34	D	1000	1.37	E	2000	1.41
	F	3000	1.36	G	4000	1.38	H	5000	1.37						
2-Fluorobiphenyl	A	100	1.25	B	200	1.24	C	500	1.30	D	1000	1.32	E	2000	1.28
	F	3000	1.35	G	4000	1.32	H	5000	1.33						
2,4,6-Tribromophenol	A	100	0.0947	B	200	0.100	C	500	0.110	D	1000	0.123	E	2000	0.134
	F	3000	0.132	G	4000	0.136	H	5000	0.142						
Terphenyl-d14	A	100	0.886	B	200	0.898	C	500	0.899	D	1000	0.934	E	2000	0.946
	F	3000	0.941	G	4000	0.948	H	5000	0.925						
‡ 1,4-Dichlorobenzene	A	100	1.31	B	200	1.36	C	500	1.36	D	1000	1.44	E	2000	1.46
	F	3000	1.44	G	4000	1.49	H	5000	1.43						

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† **SPCC Compound** ‡ **CCC Compound**

Client: Battelle Memorial Institute
Project: Novato Ballfields/G486063

Service Request: K2502554
Calibration Date: 04/12/2005

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL4375
Instrument ID: MS10

Column: MS

Analyte Name	Compound Type	Calibration Evaluation					RRF Evaluation		
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
1,2,4,5-Tetrachlorobenzene	TRG	AverageRF	% RSD	2.9		≤ 15	0.735		0.01
‡ Phenol	MS	AverageRF	% RSD	6.6		≤ 15	1.35		0.01
Bis(2-chloroethyl) Ether	TRG	AverageRF	% RSD	3.9		≤ 15	1.12		0.01
2-Chlorophenol	MS	AverageRF	% RSD	3.7		≤ 15	1.11		0.01
2-Methylphenol	TRG	AverageRF	% RSD	6.9		≤ 15	0.845		0.01
Bis(2-chloroisopropyl) Ether	TRG	AverageRF	% RSD	6.6		≤ 15	2.09		0.01
Acetophenone	TRG	AverageRF	% RSD	6.5		≤ 15	1.64		0.01
4-Methylphenol	TRG	AverageRF	% RSD	4.8		≤ 15	1.23		0.01
† N-Nitrosodi-n-propylamine	MS	AverageRF	% RSD	7.6		≤ 15	0.906		0.05
Hexachloroethane	TRG	AverageRF	% RSD	2.9		≤ 15	0.632		0.01
Nitrobenzene	TRG	AverageRF	% RSD	2.0		≤ 15	1.41		0.01
Isophorone	TRG	AverageRF	% RSD	3.7		≤ 15	0.617		0.01
‡ 2-Nitrophenol	TRG	AverageRF	% RSD	4.6		≤ 15	0.197		0.01
2,4-Dimethylphenol	TRG	AverageRF	% RSD	3.0		≤ 15	0.266		0.01
Bis(2-chloroethoxy)methane	TRG	AverageRF	% RSD	4.2		≤ 15	0.411		0.01
‡ 2,4-Dichlorophenol	TRG	AverageRF	% RSD	4.1		≤ 15	0.298		0.01
Naphthalene	TRG	AverageRF	% RSD	3.9		≤ 15	0.978		0.01
4-Chloroaniline	TRG	AverageRF	% RSD	7.8		≤ 15	0.457		0.01
‡ Hexachlorobutadiene	TRG	AverageRF	% RSD	5.5		≤ 15	0.245		0.01
Caprolactam	TRG	AverageRF	% RSD	3.8		≤ 15	0.187		0.01
Benzaldehyde	TRG	AverageRF	% RSD	3.0		≤ 15	0.910		0.01
‡ 4-Chloro-3-methylphenol	MS	AverageRF	% RSD	3.8		≤ 15	0.286		0.01
2-Methylnaphthalene	TRG	AverageRF	% RSD	5.6		≤ 15	0.573		0.01
† Hexachlorocyclopentadiene	TRG	AverageRF	% RSD	16.0	*	≤ 15	0.333		0.05
‡ 2,4,6-Trichlorophenol	TRG	AverageRF	% RSD	3.9		≤ 15	0.402		0.01
2,4,5-Trichlorophenol	TRG	AverageRF	% RSD	3.4		≤ 15	0.434		0.01
Biphenyl	TRG	AverageRF	% RSD	3.3		≤ 15	1.46		0.01
2-Chloronaphthalene	TRG	AverageRF	% RSD	5.0		≤ 15	0.525		0.01
2-Nitroaniline	TRG	AverageRF	% RSD	5.1		≤ 15	0.490		0.01
Dimethyl Phthalate	TRG	AverageRF	% RSD	3.9		≤ 15	1.43		0.01
2,6-Dinitrotoluene	TRG	AverageRF	% RSD	4.4		≤ 15	0.346		0.01
Acenaphthylene	TRG	AverageRF	% RSD	4.0		≤ 15	1.77		0.01
3-Nitroaniline	TRG	AverageRF	% RSD	8.6		≤ 15	0.341		0.01
‡ Acenaphthene	MS	AverageRF	% RSD	3.4		≤ 15	1.04		0.01
† 2,4-Dinitrophenol	TRG	Quadratic	COD	0.998		≥ 0.990	0.143		0.05
† 4-Nitrophenol	MS	AverageRF	% RSD	19.8	*	≤ 15	0.198		0.05
Dibenzofuran	TRG	AverageRF	% RSD	3.3		≤ 15	1.73		0.01
2,4-Dinitrotoluene	MS	AverageRF	% RSD	10.1		≤ 15	0.432		0.01
Diethyl Phthalate	TRG	AverageRF	% RSD	4.1		≤ 15	1.34		0.01
Fluorene	TRG	AverageRF	% RSD	5.6		≤ 15	1.23		0.01
4-Chlorophenyl Phenyl Ether	TRG	AverageRF	% RSD	4.3		≤ 15	0.648		0.01
4-Nitroaniline	TRG	AverageRF	% RSD	10.8		≤ 15	0.333		0.01

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Battelle Memorial Institute
Project: Novato Ballfields/G486063

Service Request: K2502554
Calibration Date: 04/12/2005

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL4375
Instrument ID: MS10

Column: MS

Analyte Name	Compound Type	Calibration Evaluation					RRF Evaluation		
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
2-Methyl-4,6-dinitrophenol	TRG	AverageRF	% RSD	13.6		≤ 15	0.242		0.01
‡ N-Nitrosodiphenylamine	TRG	AverageRF	% RSD	5.2		≤ 15	0.841		0.01
4-Bromophenyl Phenyl Ether	TRG	AverageRF	% RSD	5.7		≤ 15	0.233		0.01
Hexachlorobenzene	TRG	AverageRF	% RSD	5.7		≤ 15	0.260		0.01
Atrazine	TRG	AverageRF	% RSD	1.3		≤ 15	0.242		0.01
‡ Pentachlorophenol	MS	AverageRF	% RSD	25.5	*	≤ 15	0.107		0.01
Phenanthrene	TRG	AverageRF	% RSD	4.1		≤ 15	1.16		0.01
Anthracene	TRG	AverageRF	% RSD	4.2		≤ 15	1.17		0.01
Carbazole	TRG	AverageRF	% RSD	4.6		≤ 15	1.06		0.01
Di-n-butyl Phthalate	TRG	AverageRF	% RSD	4.5		≤ 15	1.39		0.01
‡ Fluoranthene	TRG	AverageRF	% RSD	3.7		≤ 15	1.22		0.01
Pyrene	MS	AverageRF	% RSD	3.5		≤ 15	1.55		0.01
Butyl Benzyl Phthalate	TRG	AverageRF	% RSD	2.8		≤ 15	0.745		0.01
3,3'-Dichlorobenzidine	TRG	AverageRF	% RSD	1.8		≤ 15	0.474		0.01
Benz(a)anthracene	TRG	AverageRF	% RSD	3.1		≤ 15	1.30		0.01
Chrysene	TRG	AverageRF	% RSD	2.3		≤ 15	1.16		0.01
Bis(2-ethylhexyl) Phthalate	TRG	AverageRF	% RSD	4.4		≤ 15	0.964		0.01
‡ Di-n-octyl Phthalate	TRG	AverageRF	% RSD	3.9		≤ 15	2.03		0.01
Benzo(b)fluoranthene	TRG	AverageRF	% RSD	3.0		≤ 15	1.41		0.01
Benzo(k)fluoranthene	TRG	AverageRF	% RSD	3.8		≤ 15	1.41		0.01
‡ Benzo(a)pyrene	TRG	AverageRF	% RSD	4.2		≤ 15	1.37		0.01
Indeno(1,2,3-cd)pyrene	TRG	AverageRF	% RSD	4.6		≤ 15	1.17		0.01
Dibenz(a,h)anthracene	TRG	AverageRF	% RSD	6.6		≤ 15	1.14		0.01
Benzo(g,h,i)perylene	TRG	AverageRF	% RSD	4.2		≤ 15	1.18		0.01
2-Fluorophenol	SURR	AverageRF	% RSD	6.1		≤ 15	1.10		0.01
Phenol-d6	SURR	AverageRF	% RSD	6.9		≤ 15	1.33		0.01
Nitrobenzene-d5	SURR	AverageRF	% RSD	4.7		≤ 15	1.34		0.01
2-Fluorobiphenyl	SURR	AverageRF	% RSD	2.8		≤ 15	1.30		0.01
2,4,6-Tribromophenol	SURR	AverageRF	% RSD	14.5		≤ 15	0.122		0.01
Terphenyl-d14	SURR	AverageRF	% RSD	2.6		≤ 15	0.922		0.01
‡ 1,4-Dichlorobenzene	MS	AverageRF	% RSD	4.4		≤ 15	1.41		0.01

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Battelle Memorial Institute
Project: Novato Ballfields/G486063

Service Request: K2502554
Calibration Date: 04/12/2005
Date Analyzed: 04/12/2005

Second Source Calibration Verification
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C

Calibration ID: CAL4375
Units: ng/ml

File ID: J:\MS10\DATA\041205\0412F017.D
J:\MS10\DATA\041205\0412F018.D

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
1,2,4,5-Tetrachlorobenzene	3000	3600	0.735	0.878	20	NA	± 30 %	AverageRF
‡ Phenol	3000	3500	1.35	1.56	16	NA	± 20 %	AverageRF
Bis(2-chloroethyl) Ether	3000	3000	1.12	1.12	0	NA	± 30 %	AverageRF
2-Chlorophenol	3000	3300	1.11	1.22	10	NA	± 30 %	AverageRF
2-Methylphenol	3000	3300	0.845	0.936	11	NA	± 30 %	AverageRF
Bis(2-chloroisopropyl) Ether	3000	3000	2.09	2.11	1	NA	± 30 %	AverageRF
Acetophenone	3000	3500	1.64	1.91	17	NA	± 30 %	AverageRF
4-Methylphenol	3000	3300	1.23	1.35	10	NA	± 30 %	AverageRF
† N-Nitrosodi-n-propylamine	3000	3100	0.906	0.922	2	NA	± 30 %	AverageRF
Hexachloroethane	3000	3100	0.632	0.655	4	NA	± 30 %	AverageRF
Nitrobenzene	3000	3000	1.41	1.42	1	NA	± 30 %	AverageRF
Isophorone	3000	3600	0.617	0.734	19	NA	± 30 %	AverageRF
‡ 2-Nitrophenol	3000	3400	0.197	0.226	15	NA	± 20 %	AverageRF
2,4-Dimethylphenol	3000	3300	0.266	0.290	9	NA	± 30 %	AverageRF
Bis(2-chloroethoxy)methane	3000	3000	0.411	0.413	1	NA	± 30 %	AverageRF
‡ 2,4-Dichlorophenol	3000	3300	0.298	0.329	10	NA	± 20 %	AverageRF
Naphthalene	3000	3200	0.978	1.03	5	NA	± 30 %	AverageRF
4-Chloroaniline	3000	3000	0.457	0.451	-1	NA	± 30 %	AverageRF
‡ Hexachlorobutadiene	3000	3100	0.245	0.253	3	NA	± 20 %	AverageRF
Caprolactam	3000	3600	0.187	0.224	20	NA	± 30 %	AverageRF
Benzaldehyde	3000	3500	0.910	1.06	16	NA	± 30 %	AverageRF
‡ 4-Chloro-3-methylphenol	3000	3400	0.286	0.327	14	NA	± 20 %	AverageRF
2-Methylnaphthalene	3000	3000	0.573	0.565	-1	NA	± 30 %	AverageRF
† Hexachlorocyclopentadiene	3000	3700	0.333	0.406	22	NA	± 30 %	AverageRF
‡ 2,4,6-Trichlorophenol	3000	3400	0.402	0.455	13	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	3000	3400	0.434	0.498	15	NA	± 30 %	AverageRF
Biphenyl	3000	3700	1.46	1.81	23	NA	± 30 %	AverageRF
2-Chloronaphthalene	3000	2800	0.525	0.483	-8	NA	± 30 %	AverageRF
2-Nitroaniline	3000	3100	0.490	0.503	3	NA	± 30 %	AverageRF
Dimethyl Phthalate	3000	3100	1.43	1.47	3	NA	± 30 %	AverageRF
2,6-Dinitrotoluene	3000	3200	0.346	0.367	6	NA	± 30 %	AverageRF
Acenaphthylene	3000	3300	1.77	1.93	9	NA	± 30 %	AverageRF
3-Nitroaniline	3000	3300	0.341	0.372	9	NA	± 30 %	AverageRF
‡ Acenaphthene	3000	3100	1.04	1.08	4	NA	± 20 %	AverageRF
† 2,4-Dinitrophenol	3000	3100	0.143	0.144	NA	4	± 30 %	Quadratic
† 4-Nitrophenol	3000	3400	0.198	0.227	15	NA	± 30 %	AverageRF
Dibenzofuran	3000	3100	1.73	1.79	3	NA	± 30 %	AverageRF
2,4-Dinitrotoluene	3000	3400	0.432	0.485	12	NA	± 30 %	AverageRF
Diethyl Phthalate	3000	3100	1.34	1.39	4	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Battelle Memorial Institute
Project: Novato Ballfields/G486063

Service Request: K2502554
Calibration Date: 04/12/2005
Date Analyzed: 04/12/2005

Second Source Calibration Verification
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C

Calibration ID: CAL4375
Units: ng/ml

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Fluorene	3000	3100	1.23	1.28	4	NA	± 30 %	AverageRF
4-Chlorophenyl Phenyl Ether	3000	3200	0.648	0.683	5	NA	± 30 %	AverageRF
4-Nitroaniline	3000	3200	0.333	0.350	5	NA	± 30 %	AverageRF
2-Methyl-4,6-dinitrophenol	3000	3200	0.242	0.255	6	NA	± 30 %	AverageRF
‡ N-Nitrosodiphenylamine	3000	3500	0.841	0.972	16	NA	± 20 %	AverageRF
4-Bromophenyl Phenyl Ether	3000	3000	0.233	0.235	1	NA	± 30 %	AverageRF
Hexachlorobenzene	3000	3100	0.260	0.272	5	NA	± 30 %	AverageRF
Atrazine	3000	3400	0.242	0.276	14	NA	± 30 %	AverageRF
‡ Pentachlorophenol	3000	3200	0.107	0.115	7	NA	± 20 %	AverageRF
Phenanthrene	3000	3000	1.16	1.15	-1	NA	± 30 %	AverageRF
Anthracene	3000	3100	1.17	1.19	2	NA	± 30 %	AverageRF
Carbazole	3000	3000	1.06	1.06	0	NA	± 30 %	AverageRF
Di-n-butyl Phthalate	3000	3100	1.39	1.42	2	NA	± 30 %	AverageRF
‡ Fluoranthene	3000	3000	1.22	1.21	-1	NA	± 30 %	AverageRF
Pyrene	3000	3000	1.55	1.54	-1	NA	± 30 %	AverageRF
Butyl Benzyl Phthalate	3000	3000	0.745	0.736	-1	NA	± 30 %	AverageRF
3,3'-Dichlorobenzidine	3000	3400	0.474	0.543	15	NA	± 30 %	AverageRF
Benz(a)anthracene	3000	3100	1.30	1.36	5	NA	± 30 %	AverageRF
Chrysene	3000	3100	1.16	1.19	2	NA	± 30 %	AverageRF
Bis(2-ethylhexyl) Phthalate	3000	3100	0.964	0.981	2	NA	± 30 %	AverageRF
‡ Di-n-octyl Phthalate	3000	3000	2.03	2.03	0	NA	± 20 %	AverageRF
Benzo(b)fluoranthene	3000	3100	1.41	1.47	4	NA	± 30 %	AverageRF
Benzo(k)fluoranthene	3000	3000	1.41	1.43	1	NA	± 30 %	AverageRF
‡ Benzo(a)pyrene	3000	3000	1.37	1.37	0	NA	± 20 %	AverageRF
Indeno(1,2,3-cd)pyrene	3000	3100	1.17	1.20	3	NA	± 30 %	AverageRF
Dibenz(a,h)anthracene	3000	3100	1.14	1.17	3	NA	± 30 %	AverageRF
Benzo(g,h,i)perylene	3000	3100	1.18	1.21	2	NA	± 30 %	AverageRF
‡ 1,4-Dichlorobenzene	3000	3100	1.41	1.44	2	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Injection Log

Directory: J:\MS10\DATA\041205

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0412F001.D	1.	KWG0505864-1 | TUNE | SVM19-28E	SVM\W0505864\1-TUNE.H	12 Apr 2005 10:4
2	2	0412F002.D	1.	KWG0505864-2 | IB | 8270-LL	SVM\W0505864\2-IB.H	12 Apr 2005 11:2
3	3	0412F003.D	1.	8270LL @ 0.1ppm | SVM19-15D | KWG050586	SVM\W0505864\3-ICAL.H	12 Apr 2005 12:0
4	4	0412F004.D	1.	8270LL @ 0.2/0.5ppm | SVM19-15E | KWG05	SVM\W0505864\4-ICAL.H	12 Apr 2005 12:4
5	5	0412F005.D	1.	8270LL @ 0.5/1.0ppm | SVM19-15F | KWG05	SVM\W0505864\5-ICAL.H	12 Apr 2005 13:2
6	6	0412F006.D	1.	8270LL @ 1.0/2.0ppm | SVM19-15G | KWG05	SVM\W0505864\6-ICAL.H	12 Apr 2005 14:0
7	7	0412F007.D	1.	8270LL @ 2.0/4.0ppm | SVM19-15H | KWG05	SVM\W0505864\7-ICAL.H	12 Apr 2005 14:4
8	8	0412F008.D	1.	8270LL @ 3.0/6.0ppm | SVM19-15I | KWG05	SVM\W0505864\8-ICAL.H	12 Apr 2005 15:2
9	9	0412F009.D	1.	8270LL @ 4.0/8.0ppm | SVM19-15J | KWG05	SVM\W0505864\9-ICAL.H	12 Apr 2005 16:0
10	10	0412F010.D	1.	8270LL @ 5.0/10.0ppm | SVM19-15K | KWG0	SVM\W0505864\10-ICAL.H	12 Apr 2005 16:4
11	11	0412F011.D	1.	8270LL CLP @ 0.1ppm | SVM18-35D | KWG05	SVM\W0505864\11-ICAL.H	12 Apr 2005 17:2
12	12	0412F012.D	1.	8270LL CLP @ 0.2ppm | SVM18-35E | KWG05	SVM\W0505864\12-ICAL.H	12 Apr 2005 18:0
13	13	0412F013.D	1.	8270LL CLP @ 1.0ppm | SVM18-45G | KWG05	SVM\W0505864\13-ICAL.H	12 Apr 2005 18:4
14	14	0412F014.D	1.	8270LL CLP @ 2.0ppm | SVM19-26A | KWG05	SVM\W0505864\14-ICAL.H	12 Apr 2005 19:2
15	15	0412F015.D	1.	8270LL CLP @ 3.0ppm | SVM18-45I | KWG05	SVM\W0505864\15-ICAL.H	12 Apr 2005 20:0
16	16	0412F016.D	1.	8270LL CLP @ 5.0ppm | SVM18-45J | KWG05	SVM\W0505864\16-ICAL.H	12 Apr 2005 20:3
17	17	0412F017.D	1.	8270LL @ 3.0ppm | SVM19-29E | KWG050586	SVM\W0505864\17-ICV.H	12 Apr 2005 21:1
18	18	0412F018.D	1.	8270LL CLP @ 3.0ppm | SVM19-30A | KWG05	SVM\W0505864\18-ICV.H	12 Apr 2005 21:5

CAL 4375
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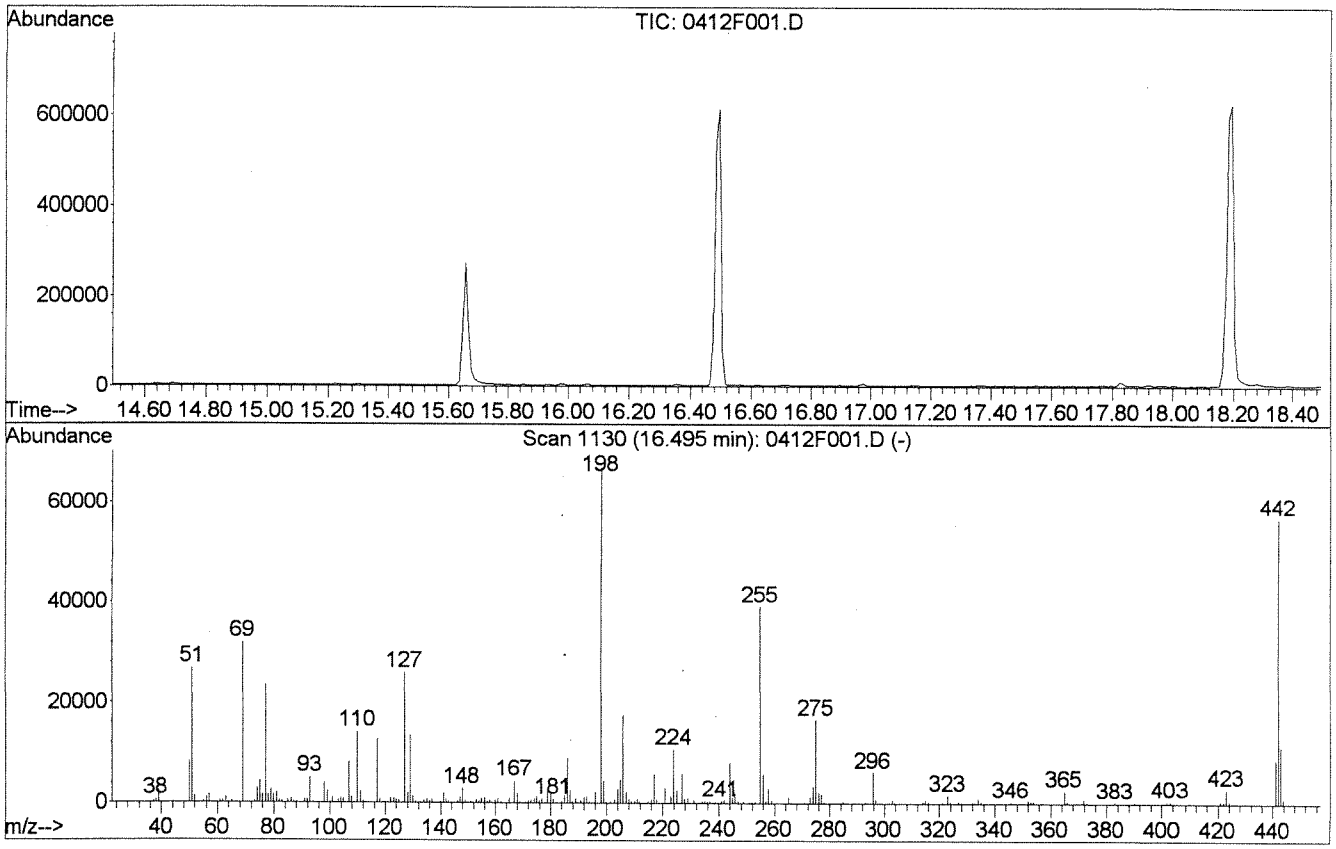
DFTPP

Data File : J:\MS10\DATA\041205\0412F001.D
Acq On : 12 Apr 2005 10:45 am
Sample : KWG0505864-1 | TUNE | SVM19-28E
Misc : SVM\W0505864\1-TUNE.H
MS Integration Params: RTEINT.P
Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL

Vial: 1
Operator: DHaderly
Inst : MS10
Multiplr: 1.00



Spectrum Information: Scan 1130

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	80	39.9	26744	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	47.7	31968	PASS
70	69	0.00	2	0.0	0	PASS
127	198	25	75	38.6	25880	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	67024	PASS
199	198	5	9	6.5	4385	PASS
275	198	10	30	24.8	16624	PASS
365	198	0.75	100	3.7	2505	PASS
441	443	0.01	100	76.7	8692	PASS
441	443	0.01	100	76.7	8692	PASS
442	198	40	110	84.8	56856	PASS
443	442	15	24	19.9	11328	PASS

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0412F001.D 0412BNLL.M Tue Apr 12 11:37:14 2005

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Scan 1130 (16.495 min): 0412F001.D
KWG0505864-1 | TUNE | SVM19-28E
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	24	54.85	275	73.05	346	84.90	541
37.05	346	55.95	1020	73.95	3030	86.05	824
37.95	512	56.95	1520	74.95	4356	86.95	292
38.95	2538	57.75	103	75.95	1511	88.05	168
39.95	82	61.00	427	77.00	23448	90.95	682
41.00	11	61.90	534	78.00	1531	91.95	698
43.05	6	62.90	1023	78.90	2739	92.85	5025
44.05	64	63.90	170	79.90	1724	94.00	370
50.00	8364	65.00	429	80.90	2141	95.90	29
51.05	26744	66.90	158	82.00	548	97.90	4057
51.95	1255	68.95	31968	82.90	461	98.90	2430

Scan 1130 (16.495 min): 0412F001.D
KWG0505864-1 | TUNE | SVM19-28E
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
99.90	152	116.90	12690	128.90	13437	140.95	1967
100.90	1005	117.90	805	129.90	1269	141.85	642
102.95	512	119.10	139	130.90	294	142.95	428
103.95	944	119.85	125	132.00	135	146.00	374
104.85	878	120.95	145	132.80	179	147.00	1030
106.95	8214	121.85	862	133.90	458	147.90	2911
107.85	1175	122.95	891	134.90	836	148.90	517
109.95	14132	123.95	612	135.90	416	149.80	126
111.00	2290	124.95	542	136.95	657	151.00	260
111.90	369	126.95	25880	138.05	173	151.70	146
112.90	150	128.00	2098	139.85	213	152.90	695

Scan 1130 (16.495 min): 0412F001.D
KWG0505864-1 | TUNE | SVM19-28E
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
153.95	421	167.90	2007	181.00	814	192.95	1126
154.95	995	168.90	332	182.00	191	193.85	264
155.95	1108	170.85	221	183.90	263	195.95	2194
156.85	295	171.95	407	184.90	1470	197.90	67024
157.85	494	172.85	469	185.90	8995	198.90	4385
158.85	213	173.95	795	186.90	2542	199.90	339
159.85	515	174.95	1244	187.85	282	201.40	356
160.95	765	175.85	388	188.95	908	202.90	645
161.95	218	176.85	779	189.75	149	203.90	2885
164.90	925	178.85	3123	190.85	490	204.95	4597
166.90	4431	179.90	1710	191.95	1008	205.95	17432

Scan 1130 (16.495 min): 0412F001.D
KWG0505864-1 | TUNE | SVM19-28E
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
206.95	2211	222.95	1235	235.80	312	250.90	144
207.85	847	223.95	10716	236.90	450	251.90	124
208.95	300	224.95	2541	238.90	271	252.90	222
209.95	468	226.85	5760	239.75	163	254.90	39152
210.85	777	227.85	776	240.85	391	255.90	5695
211.55	238	228.85	927	241.95	630	256.95	476
214.90	245	229.85	113	243.95	8080	257.85	3027
216.00	597	231.00	474	244.95	1033	258.95	535
216.90	5688	232.80	100	245.85	2059	260.85	112
217.80	656	234.00	359	246.95	405	264.90	1231
220.90	3112	234.90	397	248.90	337	265.90	183

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Scan 1130 (16.495 min): 0412F001.D
KWG0505864-1 | TUNE | SVM19-28E
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
270.80	121	292.85	273	321.00	152	352.00	648
272.90	1161	293.85	132	322.90	1579	352.90	384
273.95	3313	295.85	6108	323.90	315	353.90	469
274.95	16624	296.85	823	326.85	372	364.85	2505
275.95	2239	301.70	112	327.95	139	365.75	369
276.85	1870	302.90	660	331.95	127	371.10	140
277.85	319	303.80	175	332.85	142	371.90	856
282.90	188	307.95	105	333.90	992	372.90	191
283.90	143	313.85	323	334.90	246	382.95	252
284.80	286	314.75	693	340.90	175	389.90	135
288.90	107	315.95	298	345.85	370	401.90	358

Scan 1130 (16.495 min): 0412F001.D
KWG0505864-1 | TUNE | SVM19-28E
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
402.90	432						
403.90	159						
420.80	435						
421.90	428						
422.90	2882						
423.90	569						
441.00	8692						
441.90	56856						
442.90	11328						
443.90	967						

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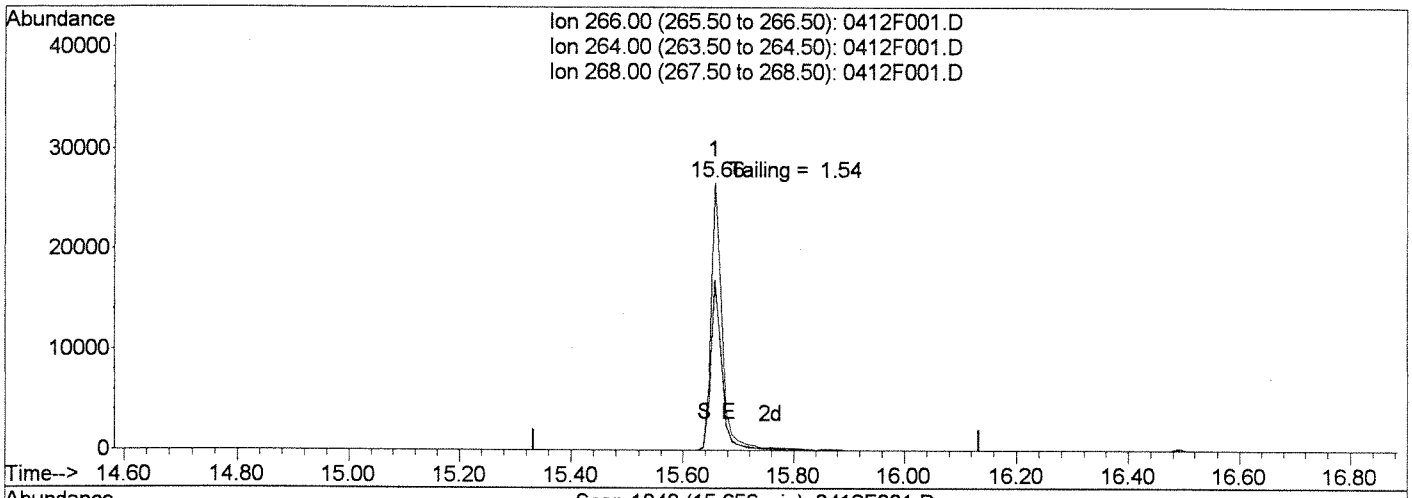
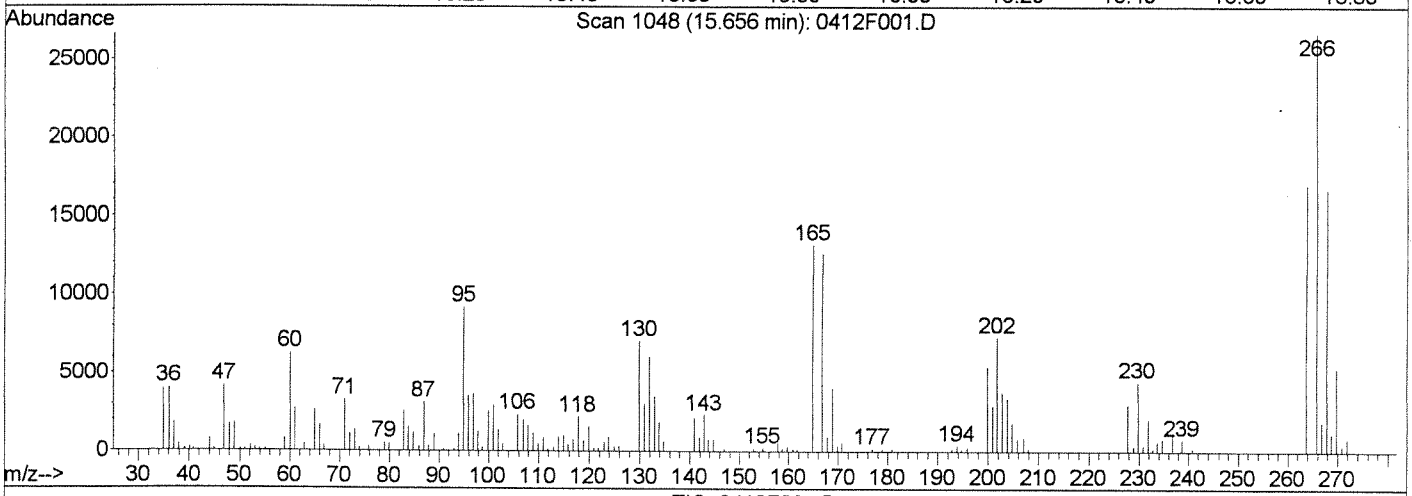
Quantitation Report (Qedit)

Data File : J:\MS10\DATA\041205\0412F001.D Vial: 1
Acq On : 12 Apr 2005 10:45 am Operator: DHaderly
Sample : KWG0505864-1 | TUNE | SVM19-28E Inst : MS10
Misc : SVM\W0505864\1-TUNE.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 12 11:42 2005 Quant Results File: temp.res

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Apr 12 09:27:14 2005
Response via : Multiple Level Calibration





TIC: 0412F001.D

(68) Pentachlorophenol (TC)

15.66min 229174.47ng/ml

response 36430

Ion	Exp%	Act%
266.00	100	100
264.00	62.10	63.49
268.00	62.00	62.50
0.00	0.00	0.00

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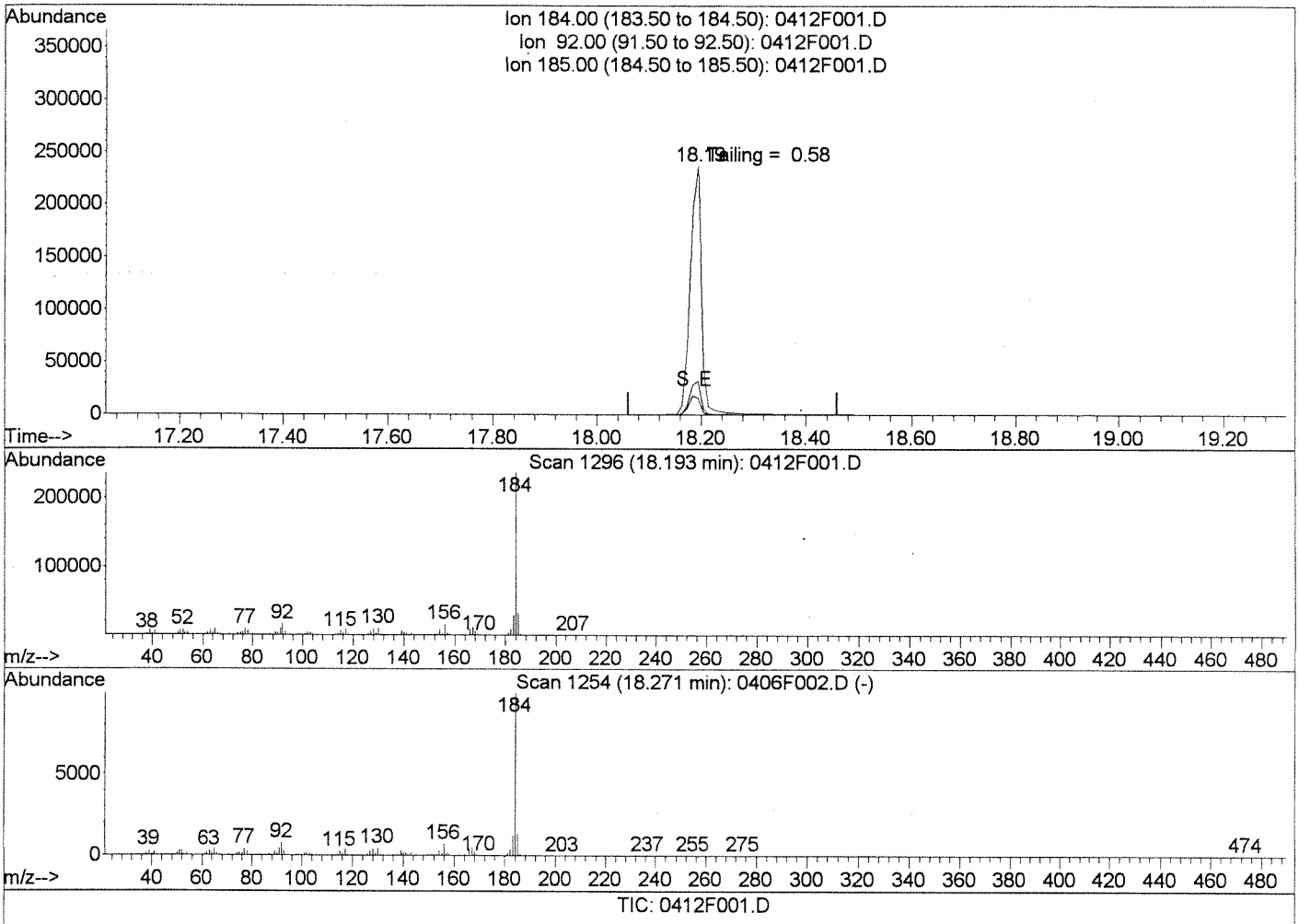
0412F001.D 0412BNLL.M Tue Apr 12 11:43:28 2005

Quantitation Report (Qedit)

Data File : J:\MS10\DATA\041205\0412F001.D Vial: 1
Acq On : 12 Apr 2005 10:45 am Operator: DHaderly
Sample : KWG0505864-1 | TUNE | SVM19-28E Inst : MS10
Misc : SVM\W0505864\1-TUNE.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 12 11:42 2005 Quant Results File: temp.res

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Apr 12 09:27:14 2005
Response via : Multiple Level Calibration



TIC: 0412F001.D

(75) Benzidine (T)

18.19min 971339.05ng/ml

response 357342

Ion	Exp%	Act%
184.00	100	100
92.00	10.70	6.81
185.00	14.80	13.70
0.00	0.00	0.00

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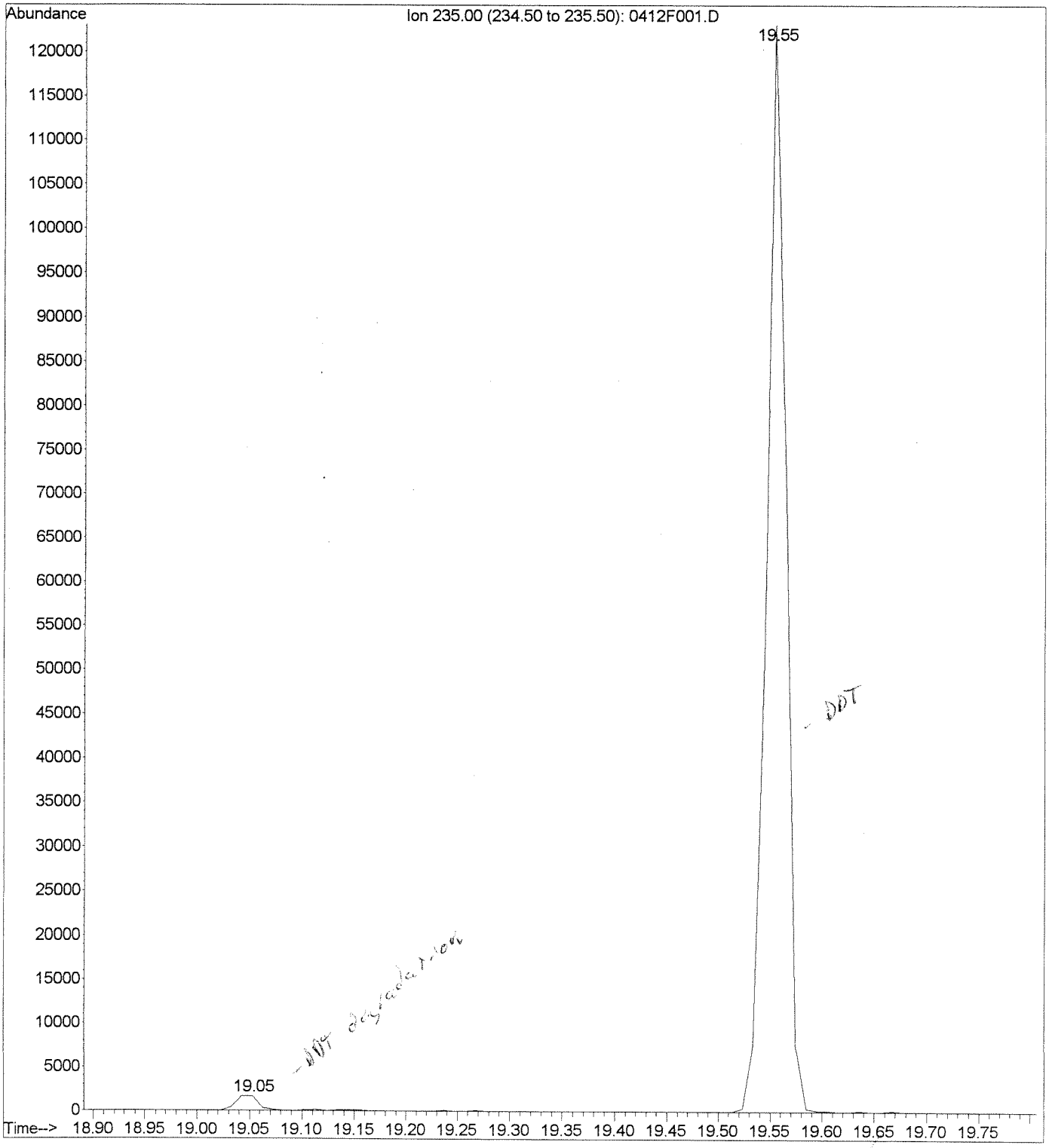
7/14/15

0412F001.D 0412BNLL.M Tue Apr 12 11:43:43 2005

File : J:\MS10\DATA\041205\0412F001.D
Operator : DHaderly
Acquired : 12 Apr 2005 10:45 am using AcqMethod BNALL
Instrument : MS10
Sample Name: KWG0505864-1 | TUNE | SVM19-28E
Misc Info : SVM\W0505864\1-TUNE.H
Vial Number: 1



1	15.656	rBB	0.072	950.00	15.626	15.697	
2	19.053	rBB	0.072	2549	19.012	19.083	– DOT Degradation – 1.6%
3	19.554	rBB	0.123	161078	19.503	19.626	

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Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F002.D Vial: 2
Acq On : 12 Apr 2005 11:25 am Operator: DHaderly
Sample : KWG0505864-2 | IB | 8270-LL Inst : MS10
Misc : SVM\W0505864\2-IB.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 12 12:33:40 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Apr 12 09:27:14 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.75	152	58200	1000.00	ng/ml	-0.08
23) Naphthalene-d8	10.69	136	195959	1000.00	ng/ml	-0.07
37) Acenaphthene-d10	13.52	164	98710	1000.00	ng/ml	-0.08
63) Phenanthrene-d10	15.94	188	160149	1000.00	ng/ml	-0.08
74) Chrysene-d12	20.43	240	129743	1000.00	ng/ml	-0.12
83) Perylene-d12	24.42	264	97346	1000.00	ng/ml	-0.16
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 38 - 110		Recovery =	0.00%#		
7) Phenol-d6	0.00	99	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 43 - 128		Recovery =	0.00%#		
21) Nitrobenzene-d5	0.00	82	0	0.00	ng/ml	
Spiked Amount 2500.000	Range 30 - 139		Recovery =	0.00%#		
42) 2-Fluorobiphenyl	0.00	172	0	0.00	ng/ml	
Spiked Amount 2500.000	Range 37 - 126		Recovery =	0.00%#		
64) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 38 - 157		Recovery =	0.00%#		
77) Terphenyl-d14	18.58	244	1736	14.73	ng/ml	-0.08
Spiked Amount 2500.000	Range 54 - 158		Recovery =	0.59%#		
Target Compounds						Qvalue
8) Phenol	8.33	94	567	6.91	ng/ml	82
69) Phenanthrene	15.98	178	764	4.15	ng/ml	82
73) Fluoranthene	17.91	202	976	5.42	ng/ml	86
76) Pyrene	18.28	202	1195	5.68	ng/ml	93
80) Benz(a)anthracene	20.42	228	957	5.77	ng/ml	73
82) Bis(2-ethylhexyl) Phthalat	20.61	149	509	3.51	ng/ml	73

4/14/05

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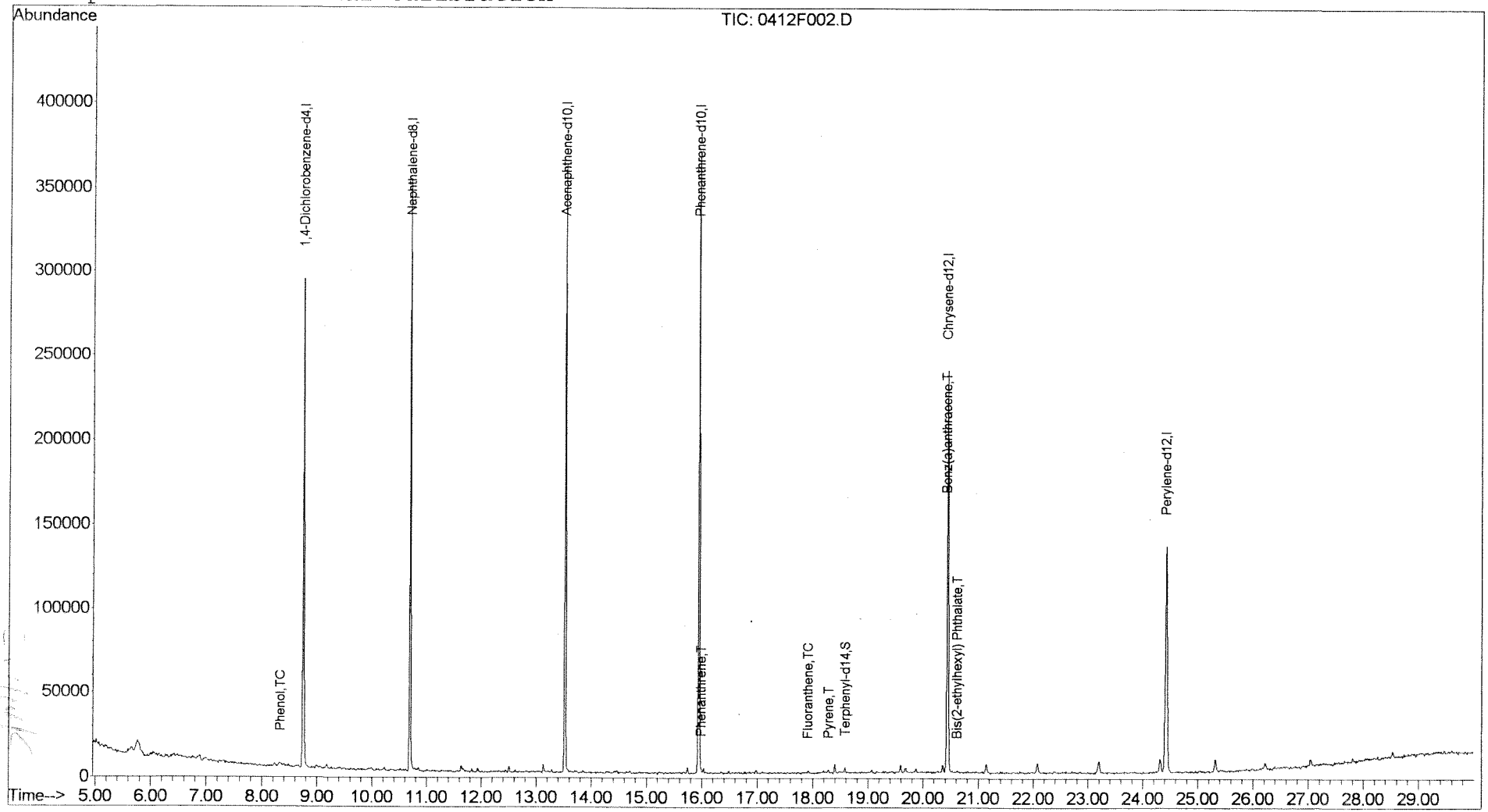
(#) = qualifier out of range (m) = manual integration
0412F002.D 0412BNLL.M Tue Apr 12 12:39:01 2005 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F002.D Vial: 2
Acq On : 12 Apr 2005 11:25 am Operator: DHaderly
Sample : KWG0505864-2 | IB | 8270-LL Inst : MS10
Misc : SVM\W0505864\2-IB.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 12 12:38 2005 Quant Results File: 0412BNLL.RES

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Apr 12 09:27:14 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F003.D Vial: 3
Acq On : 12 Apr 2005 12:06 pm Operator: DHaderly
Sample : 8270LL @ 0.1ppm | SVM19-15D | KWG0505864 Inst : MS10
Misc : SVM\W0505864\3-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:07 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.75	152	65376	1000.00	ng/ml	0.00
23) Naphthalene-d8	10.69	136	225056	1000.00	ng/ml	0.00
37) Acenaphthene-d10	13.52	164	114657	1000.00	ng/ml	0.00
63) Phenanthrene-d10	15.94	188	176030	1000.00	ng/ml	0.00
74) Chrysene-d12	20.43	240	136060	1000.00	ng/ml	0.00
83) Perylene-d12	24.43	264	102545	1000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	6.98	112	6351	80.99	ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 110		Recovery = 2.16%#			
7) Phenol-d6	8.28	99	7465	81.87	ng/ml	0.00
Spiked Amount 3750.000	Range 43 - 128		Recovery = 2.18%#			
21) Nitrobenzene-d5	9.58	82	8122	91.09	ng/ml	0.00
Spiked Amount 2500.000	Range 30 - 139		Recovery = 3.64%#			
42) 2-Fluorobiphenyl	12.44	172	14375	102.62	ng/ml	0.00
Spiked Amount 2500.000	Range 37 - 126		Recovery = 4.10%#			
64) 2,4,6-Tribromophenol	14.81	330	1667	85.19	ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 157		Recovery = 2.27%#			
77) Terphenyl-d14	18.58	244	12058	97.12	ng/ml	0.00
Spiked Amount 2500.000	Range 54 - 158		Recovery = 3.88%#			
Target Compounds						Qvalue
3) Pyridine	5.52	79	8708m	89.16	ng/ml	
6) Bis(2-chloroethyl) Ether	8.38	93	6953	85.46	ng/ml	93
8) Phenol	8.30	94	10127	111.05	ng/ml	78
9) Aniline	8.29	93	10646	88.71	ng/ml#	89
10) 2-Chlorophenol	8.45	128	7710	106.01	ng/ml	98
11) 1,3-Dichlorobenzene	8.66	146	8106	90.86	ng/ml	95
12) 1,4-Dichlorobenzene	8.77	146	8532	92.11	ng/ml	96
13) 1,2-Dichlorobenzene	8.99	146	7954	96.62	ng/ml	97
14) Benzyl Alcohol	8.98	108	4865	95.46	ng/ml	91
15) Bis(2-chloroisopropyl) Eth	9.17	45	14878	100.71	ng/ml#	65
16) 2-Methylphenol	9.17	107	6426	118.25	ng/ml	99
18) Hexachloroethane	9.48	117	3929	96.61	ng/ml	85
19) N-Nitrosodi-n-propylamine	9.36	70	6906	115.24	ng/ml	92
20) 4-Methylphenol	9.40	107	8836	110.07	ng/ml	95
22) Nitrobenzene	9.61	77	9261	99.03	ng/ml	95
24) Isophorone	9.99	82	13087	89.74	ng/ml	97
25) 2-Nitrophenol	10.10	139	4165	98.76	ng/ml	96
26) 2,4-Dimethylphenol	10.21	122	6198	105.64	ng/ml	95
27) Bis(2-chloroethoxy)methane	10.34	93	8619	86.41	ng/ml	97
28) 2,4-Dichlorophenol	10.50	162	6904	111.08	ng/ml	96

(#) = qualifier out of range (m) = manual integration
0412F003.D 0412BNLL.M Wed Apr 13 08:35:06 2005 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F003.D Vial: 3
Acq On : 12 Apr 2005 12:06 pm Operator: DHaderly
Sample : 8270LL @ 0.1ppm | SVM19-15D | KWG0505864 Inst : MS10
Misc : SVM\W0505864\3-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:07 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30)	1,2,4-Trichlorobenzene	10.60	180	8086	104.65 ng/ml	97
31)	Naphthalene	10.72	128	20622	95.19 ng/ml	99
32)	4-Chloroaniline	10.84	127	8793	89.06 ng/ml	95
33)	Hexachlorobutadiene	10.92	225	5055	110.09 ng/ml	95
35)	4-Chloro-3-methylphenol	11.66	107	6657	103.80 ng/ml	98
36)	2-Methylnaphthalene	11.84	141	11761	95.94 ng/ml	98
39)	Hexachlorocyclopentadiene	12.08	237	1194	37.20 ng/ml	98
40)	2,4,6-Trichlorophenol	12.32	196	4504	108.07 ng/ml	93
41)	2,4,5-Trichlorophenol	12.39	196	4953	108.54 ng/ml	99
44)	2-Chloronaphthalene	12.62	127	5647	97.14 ng/ml	98
45)	2-Nitroaniline	12.81	65	5162	91.76 ng/ml	95
46)	Acenaphthylene	13.28	152	18823	91.70 ng/ml	99
47)	Dimethyl Phthalate	13.13	163	15425	95.09 ng/ml	98
48)	2,6-Dinitrotoluene	13.22	165	3682	97.17 ng/ml	89
49)	Acenaphthene	13.57	154	11336	94.08 ng/ml	98
50)	3-Nitroaniline	13.48	138	3208	76.62 ng/ml	99
52)	Dibenzofuran	13.85	168	19397	98.60 ng/ml	79
54)	2,4-Dinitrotoluene	13.87	165	3961	81.36 ng/ml	75
55)	2,3,4,6-Tetrachlorophenol	14.08	232	2612	80.57 ng/ml	92
56)	Fluorene	14.41	166	13309	92.51 ng/ml	97
57)	4-Chlorophenyl Phenyl Ethe	14.44	204	7228	101.04 ng/ml	95
58)	Diethyl Phthalate	14.28	149	16206	100.00 ng/ml	98
59)	4-Nitroaniline	14.47	138	2947	66.68 ng/ml	81
61)	N-Nitrosodiphenylamine	14.64	169	8864	87.97 ng/ml	97
62)	Azobenzene	14.69	77	16375	85.84 ng/ml	97
65)	4-Bromophenyl Phenyl Ether	15.23	248	3711	98.47 ng/ml	92
66)	Hexachlorobenzene	15.30	284	4135	99.33 ng/ml	98
69)	Phenanthrene	15.97	178	19634	97.14 ng/ml	96
70)	Anthracene	16.06	178	19347	95.83 ng/ml	99
71)	Carbazole	16.35	167	18032	95.25 ng/ml	99
72)	Di-n-butyl Phthalate	16.97	149	25745	103.36 ng/ml	97
73)	Fluoranthene	17.91	202	20838	103.48 ng/ml	99
75)	Benzidine	18.18	184	6799	71.81 ng/ml	96
76)	Pyrene	18.28	202	21111	96.66 ng/ml	100
78)	Butyl Benzyl Phthalate	19.43	149	9996	87.48 ng/ml	92
79)	3,3'-Dichlorobenzidine	20.41	252	6641	105.05 ng/ml	95
80)	Benz(a)anthracene	20.41	228	17166	98.35 ng/ml	97
81)	Chrysene	20.48	228	15915	96.89 ng/ml	98
82)	Bis(2-ethylhexyl) Phthalat	20.61	149	13797	92.80 ng/ml	96
84)	Di-n-octyl Phthalate	22.39	149	20211	86.99 ng/ml	91
85)	Benzo(b)fluoranthene	23.28	252	14017	95.91 ng/ml	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F003.D Vial: 3
Acq On : 12 Apr 2005 12:06 pm Operator: DHaderly
Sample : 8270LL @ 0.1ppm | SVM19-15D | KWG0505864 Inst : MS10
Misc : SVM\W0505864\3-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:07 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
86)	Benzo(k)fluoranthene	23.38	252	14070	98.70	ng/ml	98
87)	Benzo(a)pyrene	24.25	252	13727	100.52	ng/ml	96
88)	Indeno(1,2,3-cd)pyrene	27.02	276	11716	103.07	ng/ml	96
89)	Dibenz(a,h)anthracene	27.10	278	10679	97.34	ng/ml	90
90)	Benzo(g,h,i)perylene	27.54	276	11562	101.80	ng/ml	99

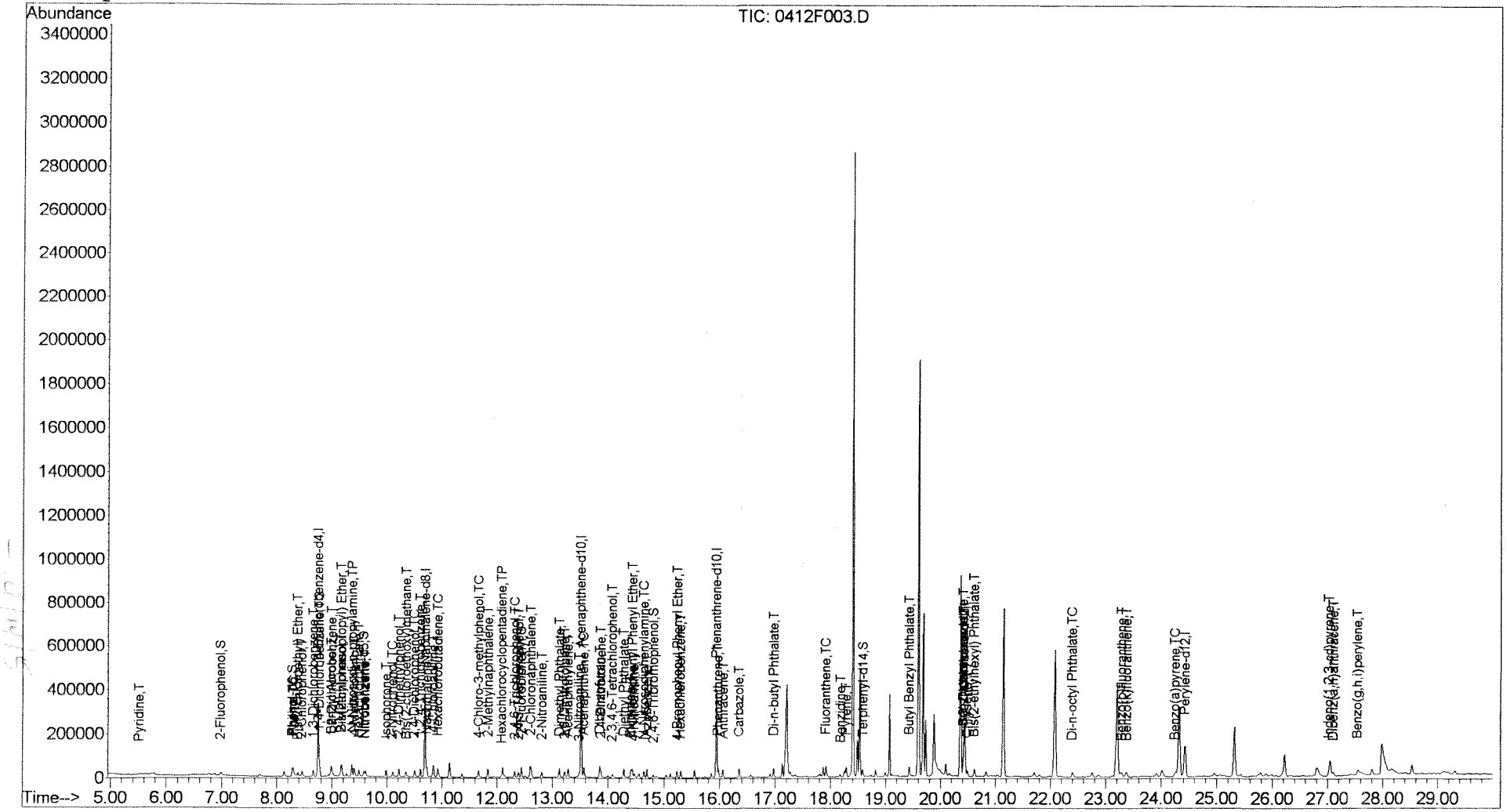
4/19/05

(#) = qualifier out of range (m) = manual integration
0412F003.D 0412BNLL.M Wed Apr 13 08:35:06 2005 Page 3

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F003.D Vial: 3
Acq On : 12 Apr 2005 12:06 pm Operator: DHaderly
Sample : 8270LL @ 0.1ppm | SVM19-15D | KWG0505864 Inst : MS10
Misc : SVM\W0505864\3-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:01 2005 Quant Results File: 0412BNLL.RES

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 06:36:18 2005
Response via : Initial Calibration

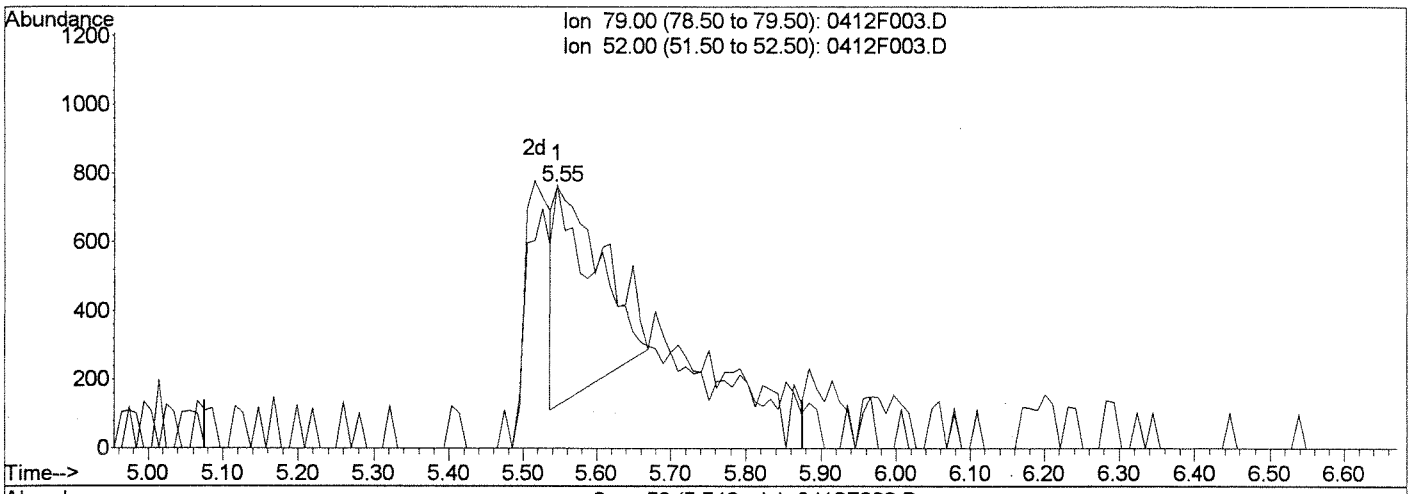


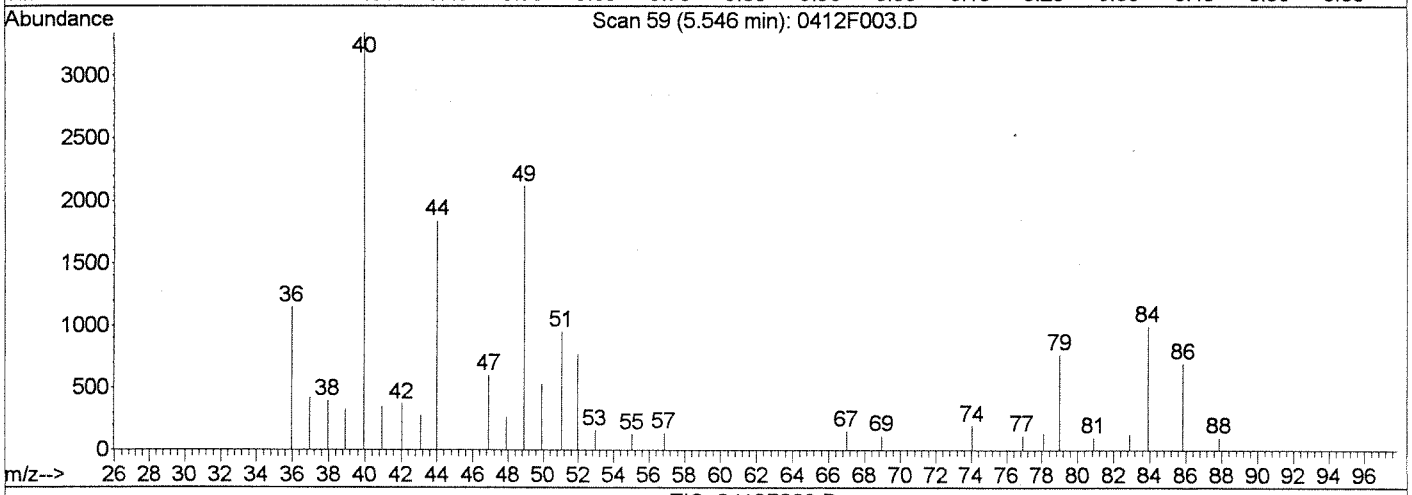
747

Quantitation Report (Qedit)

Data File : J:\MS10\DATA\041205\0412F003.D Vial: 3
Acq On : 12 Apr 2005 12:06 pm Operator: DHaderly
Sample : 8270LL @ 0.1ppm | SVM19-15D | KWG0505864 Inst : MS10
Misc : SVM\W0505864\3-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 5:59 2005 Quant Results File: temp.res

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Multiple Level Calibration





TIC: 0412F003.D

(3) Pyridine (T)

5.55min 28.88ng/ml

response 2821

Ion	Exp%	Act%
79.00	100	100
52.00	98.10	99.16
0.00	0.00	0.00
0.00	0.00	0.00

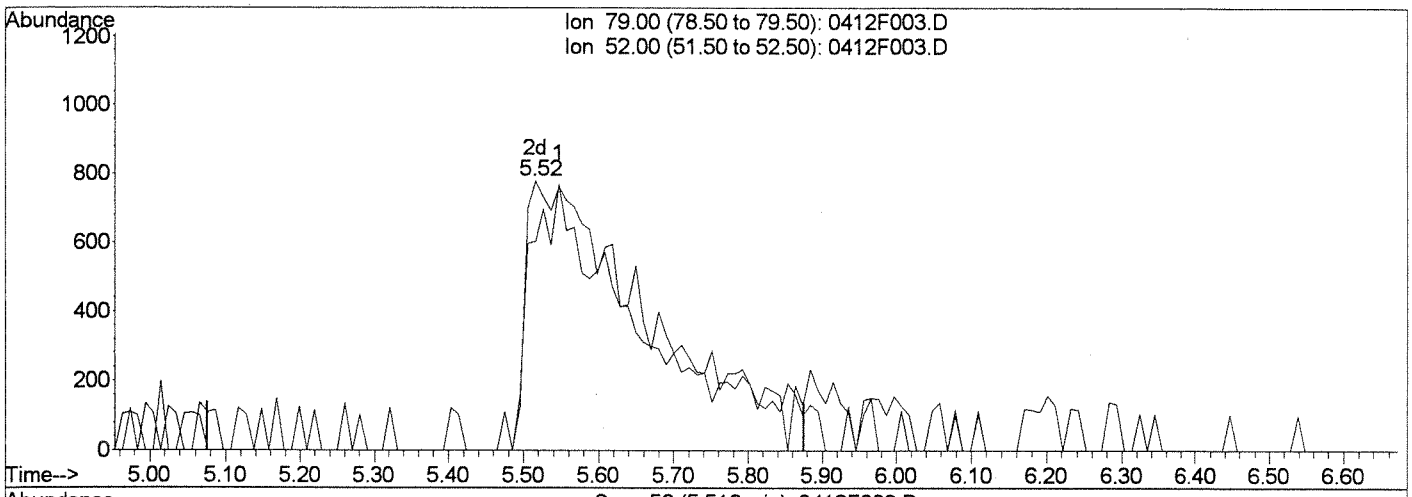
4/19/05

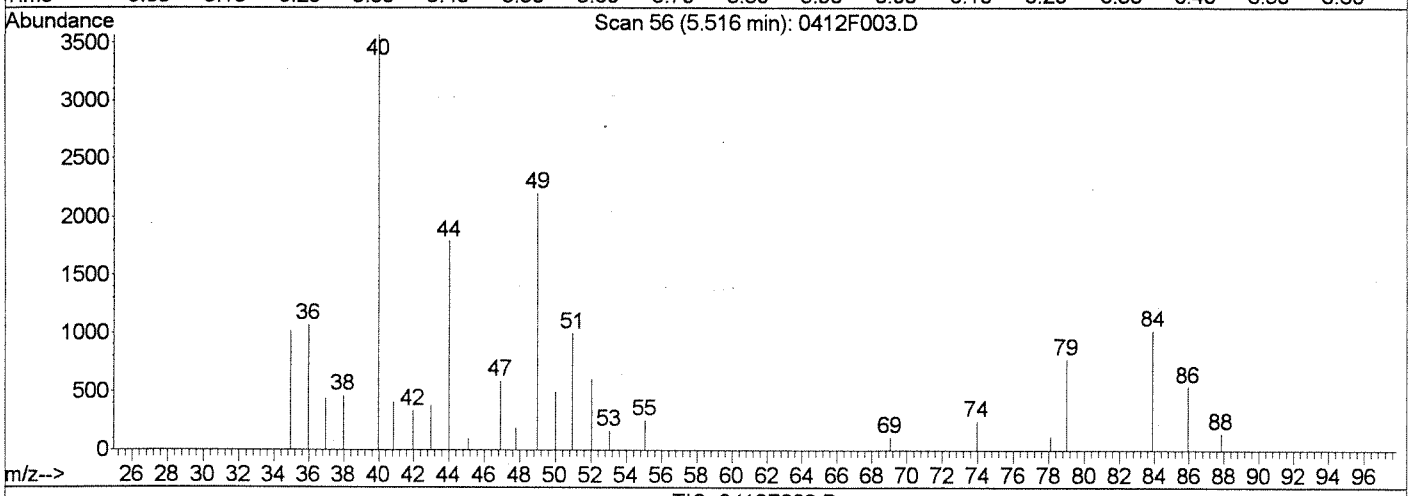
0412F003.D 0412BNLL.M Wed Apr 13 06:00:00 2005

Quantitation Report (Qedit)

Data File : J:\MS10\DATA\041205\0412F003.D Vial: 3
Acq On : 12 Apr 2005 12:06 pm Operator: DHaderly
Sample : 8270LL @ 0.1ppm | SVM19-15D | KWG0505864 Inst : MS10
Misc : SVM\W0505864\3-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:00 2005 Quant Results File: temp.res

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Multiple Level Calibration





TIC: 0412F003.D

(3) Pyridine (T)

5.52min 89.16ng/ml m

response 8708

Ion	Exp%	Act%
79.00	100	100
52.00	98.10	77.41#
0.00	0.00	0.00
0.00	0.00	0.00

4/14/05

poor Integration

4/14/05

0412F003.D 0412BNLL.M Wed Apr 13 06:00:06 2005

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F004.D Vial: 4
Acq On : 12 Apr 2005 12:46 pm Operator: DHaderly
Sample : 8270LL @ 0.2/0.5ppm | SVM19-15E | KWG050 Inst : MS10
Misc : SVM\W0505864\4-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:08 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.75	152	65750	1000.00	ng/ml	0.00
23) Naphthalene-d8	10.69	136	221857	1000.00	ng/ml	0.00
37) Acenaphthene-d10	13.51	164	118188	1000.00	ng/ml	0.00
63) Phenanthrene-d10	15.94	188	187365	1000.00	ng/ml	0.00
74) Chrysene-d12	20.43	240	146123	1000.00	ng/ml	0.00
83) Perylene-d12	24.42	264	112065	1000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	6.98	112	13398	169.88	ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 110		Recovery = 4.53%#			
7) Phenol-d6	8.28	99	16396	178.79	ng/ml	0.00
Spiked Amount 3750.000	Range 43 - 128		Recovery = 4.77%#			
21) Nitrobenzene-d5	9.58	82	16312	181.89	ng/ml	0.00
Spiked Amount 2500.000	Range 30 - 139		Recovery = 7.28%#			
42) 2-Fluorobiphenyl	12.44	172	29353	203.29	ng/ml	0.00
Spiked Amount 2500.000	Range 37 - 126		Recovery = 8.13%#			
64) 2,4,6-Tribromophenol	14.81	330	3766	180.82	ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 157		Recovery = 4.82%#			
77) Terphenyl-d14	18.58	244	26234	196.75	ng/ml	0.00
Spiked Amount 2500.000	Range 54 - 158		Recovery = 7.87%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	5.39	42	12498m	188.30	ng/ml	
3) Pyridine	5.48	79	15539m	158.20	ng/ml	
6) Bis(2-chloroethyl) Ether	8.38	93	13862	169.41	ng/ml	96
8) Phenol	8.30	94	42857	467.28	ng/ml	96
9) Aniline	8.28	93	22263	184.45	ng/ml	96
10) 2-Chlorophenol	8.45	128	34590	472.89	ng/ml	96
11) 1,3-Dichlorobenzene	8.65	146	16466	183.52	ng/ml	98
12) 1,4-Dichlorobenzene	8.77	146	17938	192.55	ng/ml	96
13) 1,2-Dichlorobenzene	8.99	146	16020	193.49	ng/ml	95
14) Benzyl Alcohol	8.97	108	9434	184.05	ng/ml	99
15) Bis(2-chloroisopropyl) Eth	9.17	45	28733	193.39	ng/ml	93
16) 2-Methylphenol	9.17	107	27326	499.97	ng/ml	97
18) Hexachloroethane	9.48	117	8044	196.68	ng/ml	91
19) N-Nitrosodi-n-propylamine	9.36	70	11866	196.89	ng/ml	96
20) 4-Methylphenol	9.40	107	39686	491.56	ng/ml	98
22) Nitrobenzene	9.61	77	18158	193.07	ng/ml	96
24) Isophorone	9.98	82	26075	181.39	ng/ml	97
25) 2-Nitrophenol	10.10	139	21205	510.04	ng/ml	98
26) 2,4-Dimethylphenol	10.21	122	28697	496.17	ng/ml	98
27) Bis(2-chloroethoxy)methane	10.34	93	17200	174.94	ng/ml	98

(#) = qualifier out of range (m) = manual integration
0412F004.D 0412BNLL.M Wed Apr 13 08:35:09 2005 Page 1

4/14/05

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F004.D Vial: 4
Acq On : 12 Apr 2005 12:46 pm Operator: DHaderly
Sample : 8270LL @ 0.2/0.5ppm | SVM19-15E | KWG050 Inst : MS10
Misc : SVM\W0505864\4-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:08 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
28)	2,4-Dichlorophenol	10.50	162	31100	507.61 ng/ml	99
29)	Benzoic Acid	10.36	122	6130	211.29 ng/ml	92
30)	1,2,4-Trichlorobenzene	10.61	180	15627	205.17 ng/ml	94
31)	Naphthalene	10.72	128	41260	193.21 ng/ml	99
32)	4-Chloroaniline	10.83	127	19041	195.65 ng/ml	96
33)	Hexachlorobutadiene	10.92	225	10172	224.73 ng/ml	98
35)	4-Chloro-3-methylphenol	11.66	107	30111	476.30 ng/ml	96
36)	2-Methylnaphthalene	11.84	141	24696	204.37 ng/ml	95
39)	Hexachlorocyclopentadiene	12.08	237	3701	111.88 ng/ml	99
40)	2,4,6-Trichlorophenol	12.32	196	22032	512.86 ng/ml	99
41)	2,4,5-Trichlorophenol	12.39	196	23801	505.99 ng/ml	97
44)	2-Chloronaphthalene	12.61	127	11453	191.12 ng/ml	99
45)	2-Nitroaniline	12.81	65	10706	184.62 ng/ml	95
46)	Acenaphthylene	13.28	152	40031	189.20 ng/ml	99
47)	Dimethyl Phthalate	13.13	163	31754	189.91 ng/ml	98
48)	2,6-Dinitrotoluene	13.22	165	7661	196.13 ng/ml	78
49)	Acenaphthene	13.57	154	23174	186.58 ng/ml	99
50)	3-Nitroaniline	13.48	138	7470	173.09 ng/ml	91
51)	2,4-Dinitrophenol	13.67	184	1315	935.03 ng/ml#	64
52)	Dibenzofuran	13.85	168	38720	190.95 ng/ml	97
53)	4-Nitrophenol	13.85	109	7985	357.18 ng/ml#	11
54)	2,4-Dinitrotoluene	13.87	165	9509	189.49 ng/ml	82
55)	2,3,4,6-Tetrachlorophenol	14.08	232	14233	425.89 ng/ml	98
56)	Fluorene	14.41	166	26152	176.35 ng/ml	98
57)	4-Chlorophenyl Phenyl Ethe	14.43	204	13940	189.04 ng/ml	96
58)	Diethyl Phthalate	14.28	149	29314	175.48 ng/ml	99
59)	4-Nitroaniline	14.48	138	7350	161.33 ng/ml	90
60)	2-Methyl-4,6-dinitrophenol	14.54	198	8071	343.07 ng/ml	94
61)	N-Nitrosodiphenylamine	14.64	169	19051	183.42 ng/ml	97
62)	Azobenzene	14.69	77	34212	173.99 ng/ml	98
65)	4-Bromophenyl Phenyl Ether	15.23	248	8175	203.80 ng/ml	94
66)	Hexachlorobenzene	15.29	284	9228	208.27 ng/ml	98
68)	Pentachlorophenol	15.65	266	4229	864.85 ng/ml	96
69)	Phenanthrene	15.97	178	41656	193.62 ng/ml	98
70)	Anthracene	16.06	178	41343	192.38 ng/ml	98
71)	Carbazole	16.35	167	37403	185.62 ng/ml	99
72)	Di-n-butyl Phthalate	16.97	149	48222	181.90 ng/ml	99
73)	Fluoranthene	17.91	202	42955	200.41 ng/ml	99
75)	Benzidine	18.18	184	57167	562.23 ng/ml	99
76)	Pyrene	18.28	202	44303	188.88 ng/ml	99
78)	Butyl Benzyl Phthalate	19.43	149	21002	171.13 ng/ml	84

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F004.D Vial: 4
Acq On : 12 Apr 2005 12:46 pm Operator: DHaderly
Sample : 8270LL @ 0.2/0.5ppm | SVM19-15E | KWG050 Inst : MS10
Misc : SVM\W0505864\4-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:08 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
79)	3,3'-Dichlorobenzidine	20.40	252	34391	506.53	ng/ml	94
80)	Benz(a)anthracene	20.41	228	36320	193.75	ng/ml	99
81)	Chrysene	20.48	228	33179	188.08	ng/ml	98
82)	Bis(2-ethylhexyl) Phthalat	20.61	149	26766	167.62	ng/ml	98
84)	Di-n-octyl Phthalate	22.39	149	43300	170.54	ng/ml	100
85)	Benzo(b)fluoranthene	23.28	252	31218	195.46	ng/ml	99
86)	Benzo(k)fluoranthene	23.37	252	29826	191.46	ng/ml	97
87)	Benzo(a)pyrene	24.25	252	28644	191.93	ng/ml	99
88)	Indeno(1,2,3-cd)pyrene	27.02	276	23647	190.36	ng/ml	97
89)	Dibenz(a,h)anthracene	27.10	278	23134	192.95	ng/ml	97
90)	Benzo(g,h,i)perylene	27.54	276	24442	196.93	ng/ml	97

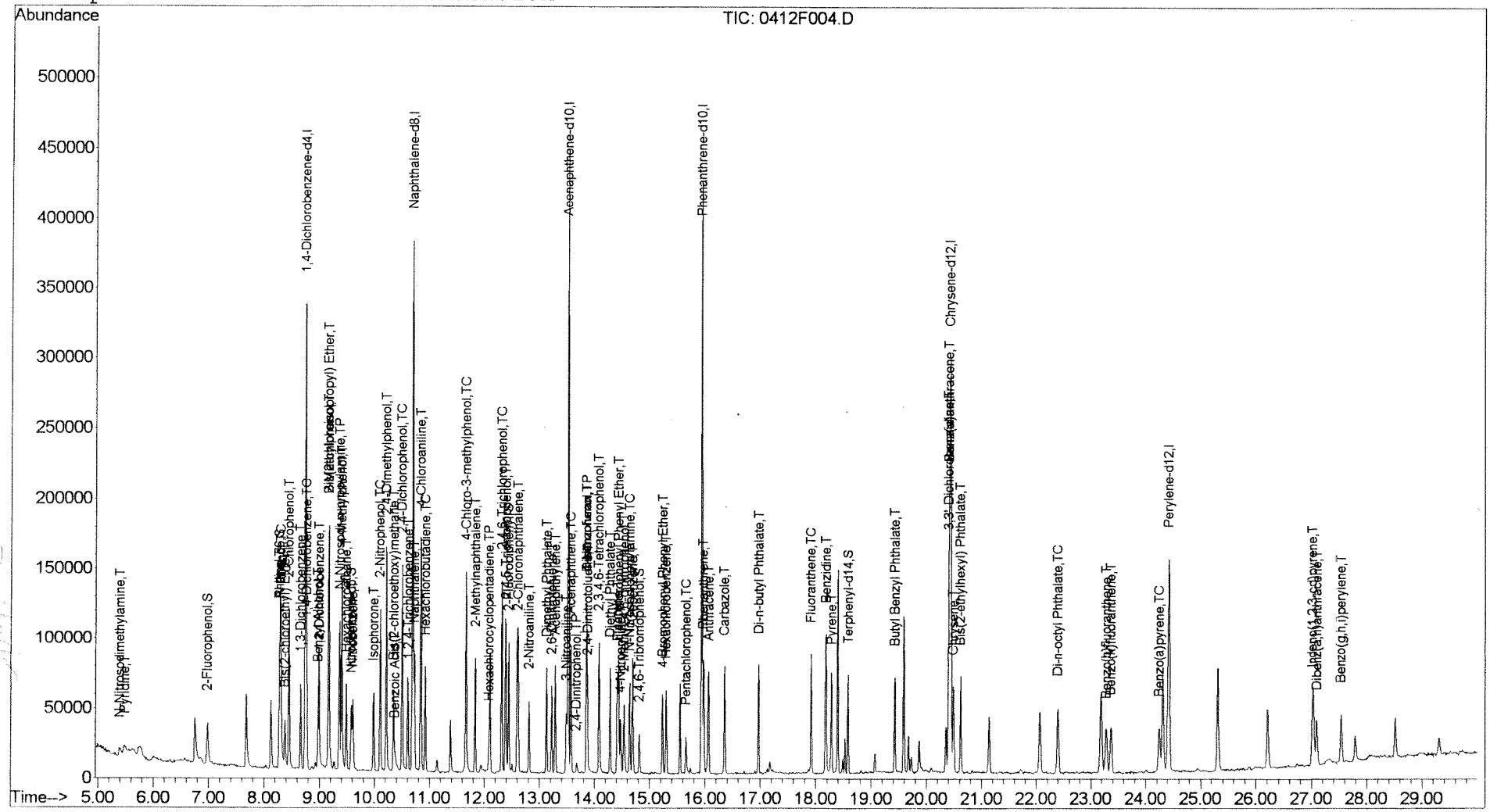
4/14/05

(#) = qualifier out of range (m) = manual integration
0412F004.D 0412BNLL.M Wed Apr 13 08:35:09 2005 Page 3

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F004.D Vial: 4
Acq On : 12 Apr 2005 12:46 pm Operator: DHaderly
Sample : 8270LL @ 0.2/0.5ppm | SVM19-15E | KWG050 Inst : MS10
Misc : SVM\W0505864\4-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:21 2005 Quant Results File: 0412BNLL.RES

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 06:36:18 2005
Response via : Initial Calibration

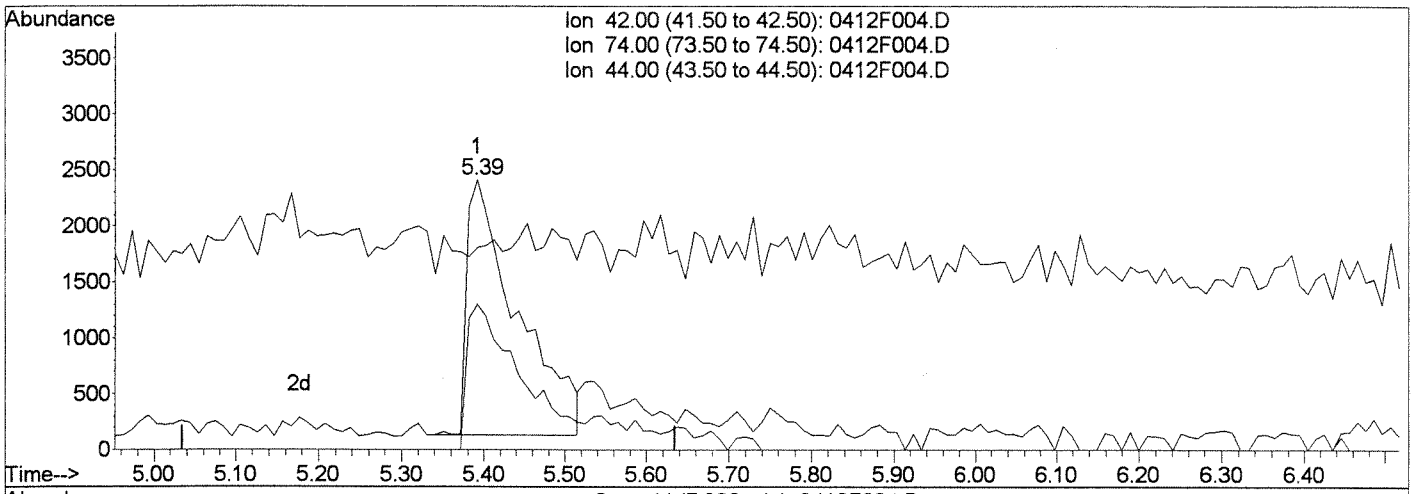


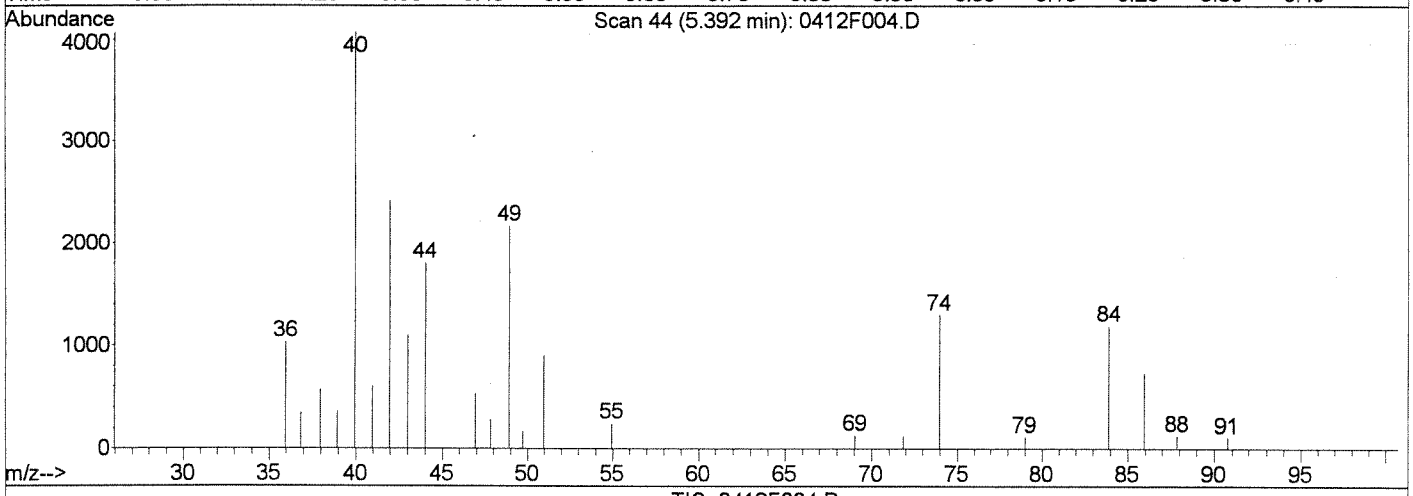
753

Quantitation Report (Qedit)

Data File : J:\MS10\DATA\041205\0412F004.D Vial: 4
Acq On : 12 Apr 2005 12:46 pm Operator: DHaderly
Sample : 8270LL @ 0.2/0.5ppm | SVM19-15E | KWG050 Inst : MS10
Misc : SVM\W0505864\4-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 5:59 2005 Quant Results File: temp.res

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Multiple Level Calibration





TIC: 0412F004.D

(2) N-Nitrosodimethylamine (T)

5.39min 147.80ng/ml

response 9810

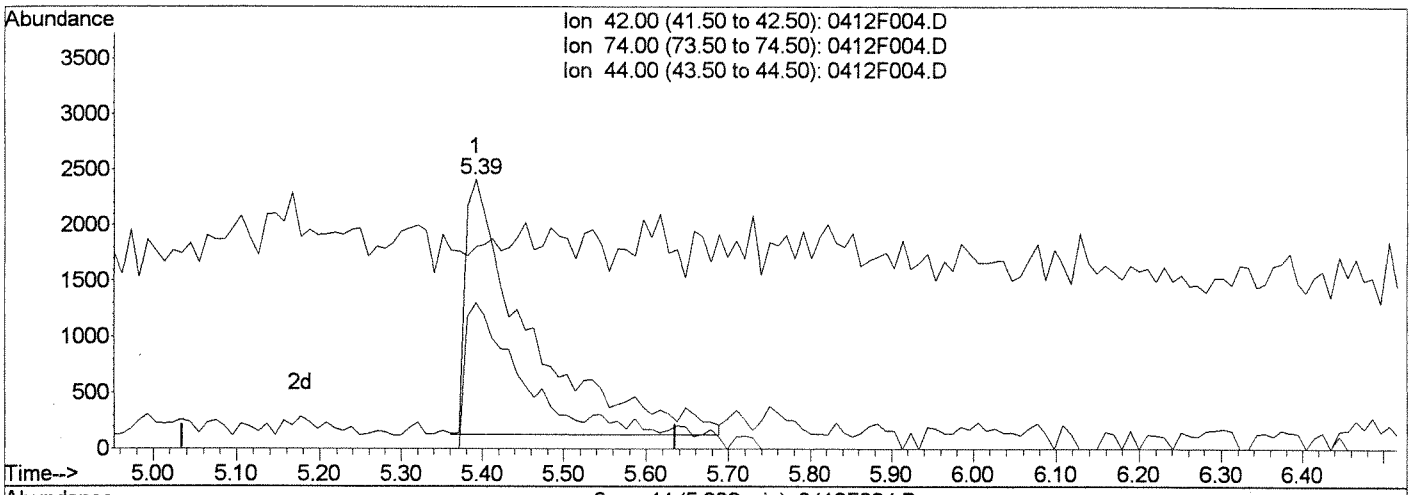
Ion	Exp%	Act%
42.00	100	100
74.00	58.30	57.14
44.00	3.20	10.45
0.00	0.00	0.00

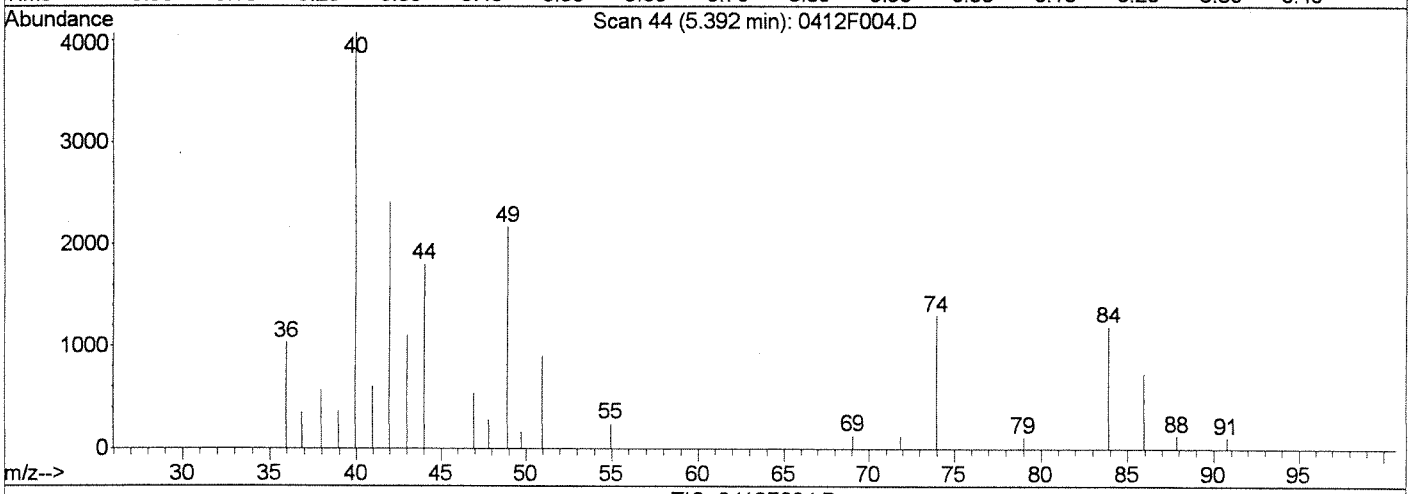
0412F004.D 0412BNLL.M Wed Apr 13 06:02:05 2005

Quantitation Report (Qedit)

Data File : J:\MS10\DATA\041205\0412F004.D Vial: 4
Acq On : 12 Apr 2005 12:46 pm Operator: DHaderly
Sample : 8270LL @ 0.2/0.5ppm | SVM19-15E | KWG050 Inst : MS10
Misc : SVM\W0505864\4-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:02 2005 Quant Results File: temp.res

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Multiple Level Calibration





TIC: 0412F004.D

(2) N-Nitrosodimethylamine (T)

5.39min 188.30ng/ml m

response 12498

Ion	Exp%	Act%
42.00	100	100
74.00	58.30	53.96
44.00	3.20	74.87#
0.00	0.00	0.00

Poor Integration

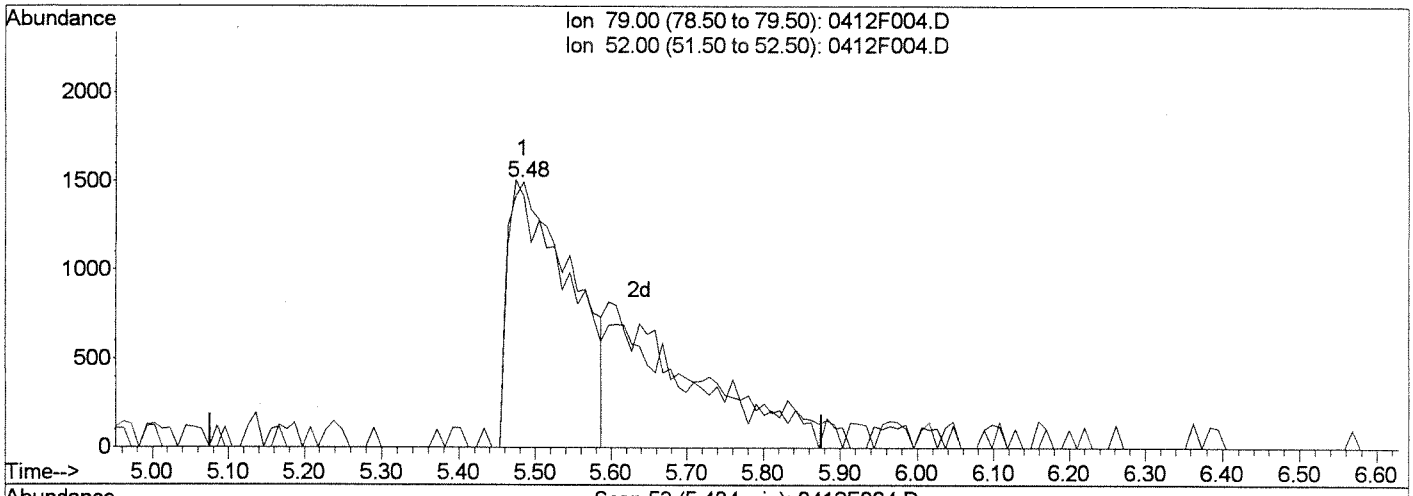
4/14/15

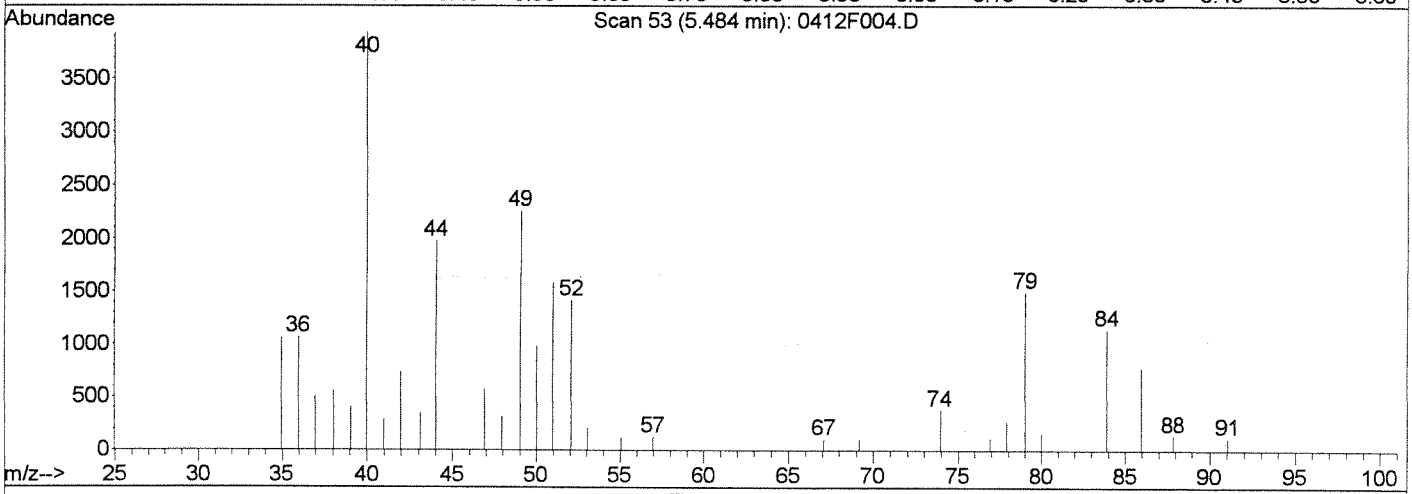
0412F004.D 0412BNLL.M Wed Apr 13 06:02:15 2005

Quantitation Report (Qedit)

Data File : J:\MS10\DATA\041205\0412F004.D Vial: 4
Acq On : 12 Apr 2005 12:46 pm Operator: DHaderly
Sample : 8270LL @ 0.2/0.5ppm | SVM19-15E | KWG050 Inst : MS10
Misc : SVM\W0505864\4-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:02 2005 Quant Results File: temp.res

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Multiple Level Calibration





TIC: 0412F004.D

(3) Pyridine (T)

5.48min 90.38ng/ml

response 8878

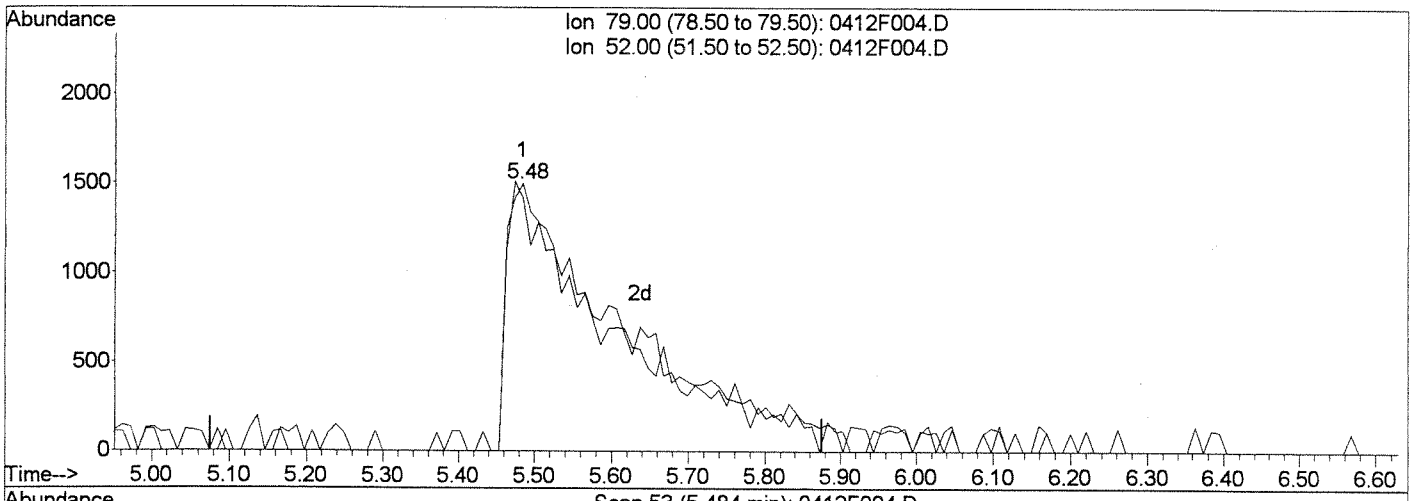
Ion	Exp%	Act%
79.00	100	100
52.00	98.10	94.65
0.00	0.00	0.00
0.00	0.00	0.00

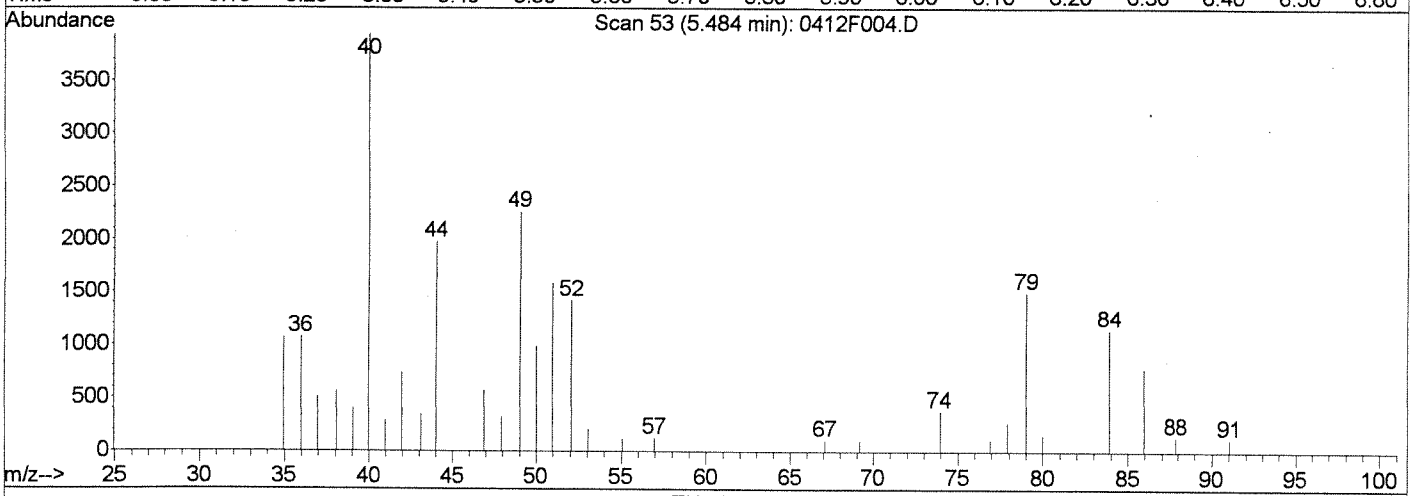
0412F004.D 0412BNLL.M Wed Apr 13 06:02:18 2005

Quantitation Report (Qedit)

Data File : J:\MS10\DATA\041205\0412F004.D Vial: 4
Acq On : 12 Apr 2005 12:46 pm Operator: DHaderly
Sample : 8270LL @ 0.2/0.5ppm | SVM19-15E | KWG050 Inst : MS10
Misc : SVM\W0505864\4-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:02 2005 Quant Results File: temp.res

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Multiple Level Calibration





TIC: 0412F004.D

(3) Pyridine (T)

5.48min 158.20ng/ml m

response 15539

Ion	Exp%	Act%
79.00	100	100
52.00	98.10	94.65
0.00	0.00	0.00
0.00	0.00	0.00

Peak Integration

*

7/14/15

0412F004.D 0412BNLL.M Wed Apr 13 06:02:26 2005

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F005.D Vial: 5
Acq On : 12 Apr 2005 1:26 pm Operator: DHaderly
Sample : 8270LL @ 0.5/1.0ppm | SVM19-15F | KWG050 Inst : MS10
Misc : SVM\W0505864\5-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:09 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.75	152	66142	1000.00	ng/ml	0.00
23) Naphthalene-d8	10.69	136	224142	1000.00	ng/ml	0.00
37) Acenaphthene-d10	13.52	164	117402	1000.00	ng/ml	0.00
63) Phenanthrene-d10	15.94	188	186645	1000.00	ng/ml	0.00
74) Chrysene-d12	20.43	240	152635	1000.00	ng/ml	0.00
83) Perylene-d12	24.42	264	111866	1000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	6.98	112	36684	462.37	ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 110		Recovery = 12.33%#			
7) Phenol-d6	8.27	99	44698	484.53	ng/ml	-0.01
Spiked Amount 3750.000	Range 43 - 128		Recovery = 12.92%#			
21) Nitrobenzene-d5	9.58	82	44435	492.55	ng/ml	0.00
Spiked Amount 2500.000	Range 30 - 139		Recovery = 19.70%#			
42) 2-Fluorobiphenyl	12.44	172	76128	530.77	ng/ml	0.00
Spiked Amount 2500.000	Range 37 - 126		Recovery = 21.23%#			
64) 2,4,6-Tribromophenol	14.81	330	10304	496.63	ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 157		Recovery = 13.24%#			
77) Terphenyl-d14	18.57	244	68605	492.58	ng/ml	-0.01
Spiked Amount 2500.000	Range 54 - 158		Recovery = 19.70%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	5.35	42	35763m	535.64	ng/ml	
3) Pyridine	5.41	79	36984m	374.29	ng/ml	
6) Bis(2-chloroethyl) Ether	8.38	93	36155	439.25	ng/ml	97
8) Phenol	8.29	94	85549	927.23	ng/ml	83
9) Aniline	8.28	93	58202	479.34	ng/ml	91
10) 2-Chlorophenol	8.45	128	70414	956.95	ng/ml	98
11) 1,3-Dichlorobenzene	8.66	146	43487	481.82	ng/ml	99
12) 1,4-Dichlorobenzene	8.77	146	45138	481.65	ng/ml	98
13) 1,2-Dichlorobenzene	8.98	146	40754	489.32	ng/ml	98
14) Benzyl Alcohol	8.97	108	23758	460.76	ng/ml	99
15) Bis(2-chloroisopropyl) Eth	9.17	45	69494	464.96	ng/ml	92
16) 2-Methylphenol	9.17	107	54258	986.85	ng/ml	98
18) Hexachloroethane	9.48	117	20485	497.89	ng/ml	92
19) N-Nitrosodi-n-propylamine	9.36	70	29804	491.60	ng/ml	99
20) 4-Methylphenol	9.40	107	78549	967.16	ng/ml	97
22) Nitrobenzene	9.61	77	45151	477.23	ng/ml	96
24) Isophorone	9.99	82	69432	478.07	ng/ml	97
25) 2-Nitrophenol	10.10	139	41824	995.74	ng/ml	96
26) 2,4-Dimethylphenol	10.21	122	56650	969.50	ng/ml	99
27) Bis(2-chloroethoxy)methane	10.34	93	45433	457.37	ng/ml	99

(#) = qualifier out of range (m) = manual integration
0412F005.D 0412BNLL.M Wed Apr 13 08:35:11 2005 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F005.D Vial: 5
Acq On : 12 Apr 2005 1:26 pm Operator: DHaderly
Sample : 8270LL @ 0.5/1.0ppm | SVM19-15F | KWG050 Inst : MS10
Misc : SVM\W0505864\5-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:09 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
28)	2,4-Dichlorophenol	10.50	162	62396	1008.03	ng/ml	98
29)	Benzoic Acid	10.39	122	16962	578.69	ng/ml	93
30)	1,2,4-Trichlorobenzene	10.60	180	41302	536.72	ng/ml	98
31)	Naphthalene	10.72	128	110598	512.62	ng/ml	97
32)	4-Chloroaniline	10.84	127	49915	507.65	ng/ml	96
33)	Hexachlorobutadiene	10.92	225	27527	601.96	ng/ml	96
35)	4-Chloro-3-methylphenol	11.66	107	60939	954.11	ng/ml	98
36)	2-Methylnaphthalene	11.83	141	61973	507.62	ng/ml	99
39)	Hexachlorocyclopentadiene	12.08	237	13923	423.69	ng/ml	96
40)	2,4,6-Trichlorophenol	12.32	196	45549	1067.40	ng/ml	99
41)	2,4,5-Trichlorophenol	12.38	196	50244	1075.30	ng/ml	99
44)	2-Chloronaphthalene	12.62	127	30306	509.12	ng/ml	98
45)	2-Nitroaniline	12.81	65	28592	496.36	ng/ml	89
46)	Acenaphthylene	13.28	152	104092	495.27	ng/ml	100
47)	Dimethyl Phthalate	13.13	163	82884	499.02	ng/ml	99
48)	2,6-Dinitrotoluene	13.22	165	20517	528.78	ng/ml	85
49)	Acenaphthene	13.57	154	61161	495.73	ng/ml	97
50)	3-Nitroaniline	13.48	138	19834	462.65	ng/ml	98
51)	2,4-Dinitrophenol	13.67	184	6279	1183.07	ng/ml	79
52)	Dibenzofuran	13.85	168	97798	485.52	ng/ml	93
53)	4-Nitrophenol	13.85	109	18258	822.18	ng/ml#	12
54)	2,4-Dinitrotoluene	13.87	165	24031	482.09	ng/ml	87
55)	2,3,4,6-Tetrachlorophenol	14.08	232	31703	955.00	ng/ml	94
56)	Fluorene	14.42	166	71197	483.32	ng/ml	98
57)	4-Chlorophenyl Phenyl Ethe	14.44	204	37982	518.53	ng/ml	96
58)	Diethyl Phthalate	14.28	149	75957	457.73	ng/ml	98
59)	4-Nitroaniline	14.48	138	18846m	416.44	ng/ml	
60)	2-Methyl-4,6-dinitrophenol	14.54	198	21300	911.45	ng/ml	94
61)	N-Nitrosodiphenylamine	14.64	169	46905	454.62	ng/ml	98
62)	Azobenzene	14.69	77	89050	455.91	ng/ml	98
65)	4-Bromophenyl Phenyl Ether	15.23	248	21301	533.07	ng/ml	99
66)	Hexachlorobenzene	15.30	284	23873	540.88	ng/ml	97
68)	Pentachlorophenol	15.65	266	11402	1160.19	ng/ml	95
69)	Phenanthrene	15.97	178	102641	478.93	ng/ml	99
70)	Anthracene	16.06	178	106515	497.57	ng/ml	99
71)	Carbazole	16.35	167	92806	462.34	ng/ml	99
72)	Di-n-butyl Phthalate	16.97	149	124010	469.58	ng/ml	98
73)	Fluoranthene	17.91	202	111232	520.96	ng/ml	99
75)	Benzidine	18.17	184	102658	966.55	ng/ml	97
76)	Pyrene	18.27	202	114477	467.23	ng/ml	98
78)	Butyl Benzyl Phthalate	19.42	149	55196	430.57	ng/ml	99

(#) = qualifier out of range (m) = manual integration
0412F005.D 0412BNLL.M Wed Apr 13 08:35:11 2005 Page 2

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F005.D Vial: 5
Acq On : 12 Apr 2005 1:26 pm Operator: DHaderly
Sample : 8270LL @ 0.5/1.0ppm | SVM19-15F | KWG050 Inst : MS10
Misc : SVM\W0505864\5-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:09 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
79)	3,3'-Dichlorobenzidine	20.41	252	70580	995.18	ng/ml	99
80)	Benz(a)anthracene	20.41	228	97071	495.75	ng/ml	99
81)	Chrysene	20.48	228	85628	464.69	ng/ml	99
82)	Bis(2-ethylhexyl) Phthalat	20.61	149	68097	408.27	ng/ml	99
84)	Di-n-octyl Phthalate	22.39	149	113182	446.56	ng/ml	100
85)	Benzo(b)fluoranthene	23.28	252	78578	492.87	ng/ml	99
86)	Benzo(k)fluoranthene	23.38	252	78487	504.72	ng/ml	99
87)	Benzo(a)pyrene	24.25	252	74356	499.11	ng/ml	99
88)	Indeno(1,2,3-cd)pyrene	27.02	276	64001	516.12	ng/ml	96
89)	Dibenz(a,h)anthracene	27.10	278	62269	520.27	ng/ml	96
90)	Benzo(g,h,i)perylene	27.55	276	66040	533.03	ng/ml	98

4/14/05

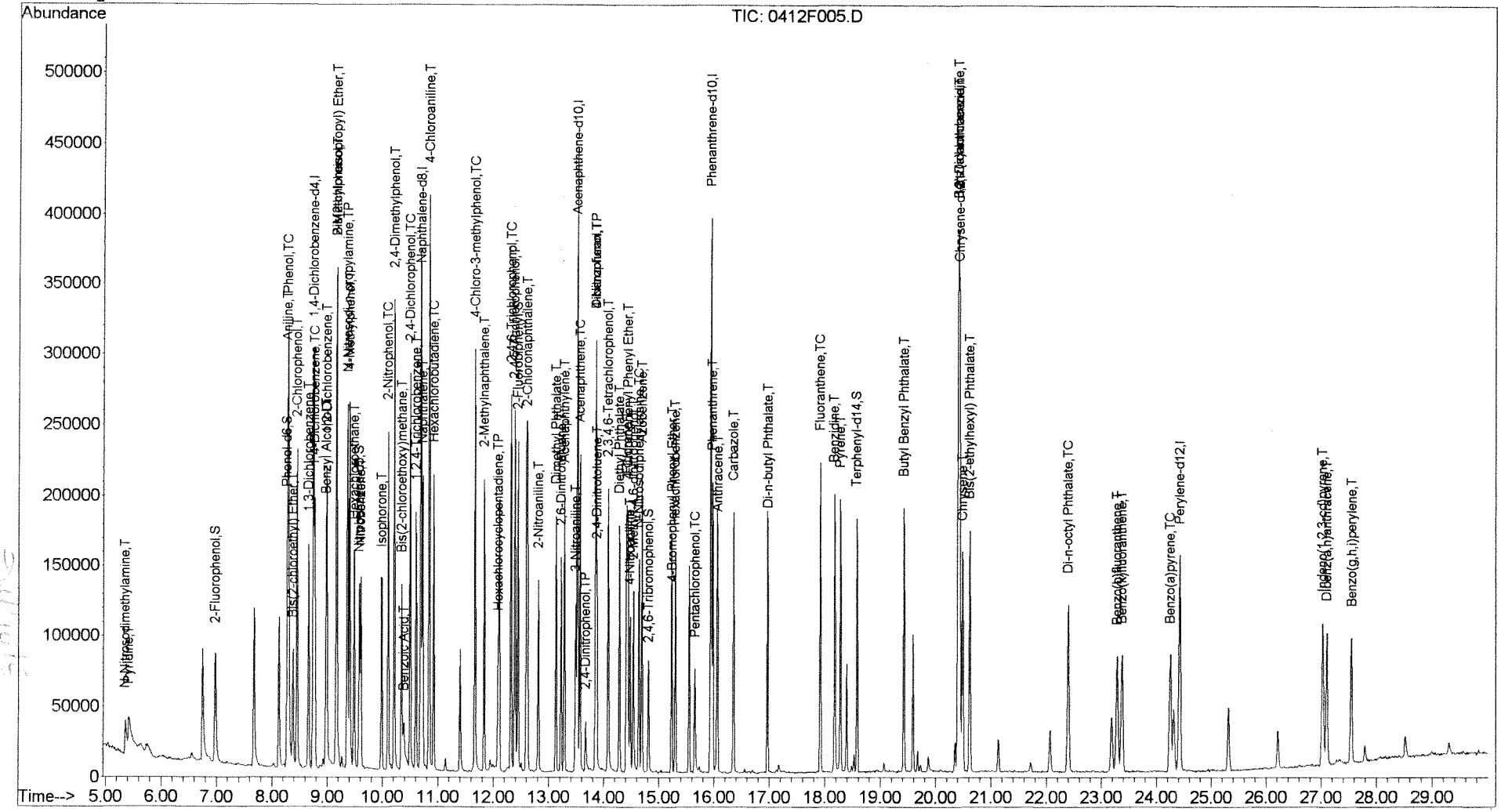
4/14/15

(#) = qualifier out of range (m) = manual integration
0412F005.D 0412BNLL.M Wed Apr 13 08:35:11 2005 Page 3

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F005.D Vial: 5
Acq On : 12 Apr 2005 1:26 pm Operator: DHaderly
Sample : 8270LL @ 0.5/1.0ppm | SVM19-15F | KWG050 Inst : MS10
Misc : SVM\W0505864\5-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:20 2005 Quant Results File: 0412BNLL.RES

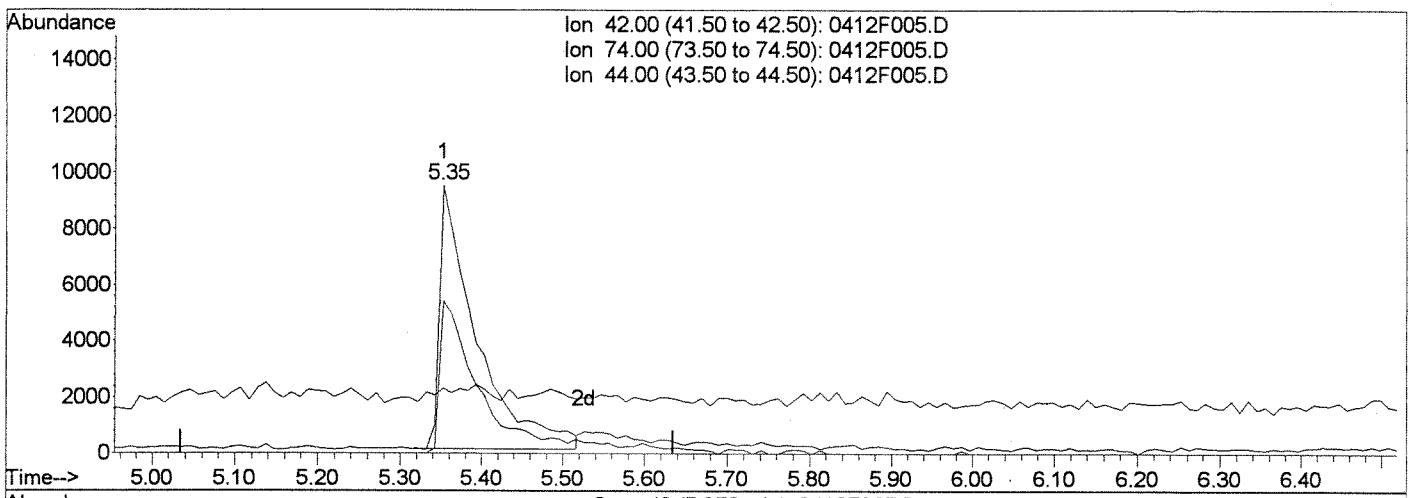
Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 06:36:18 2005
Response via : Initial Calibration

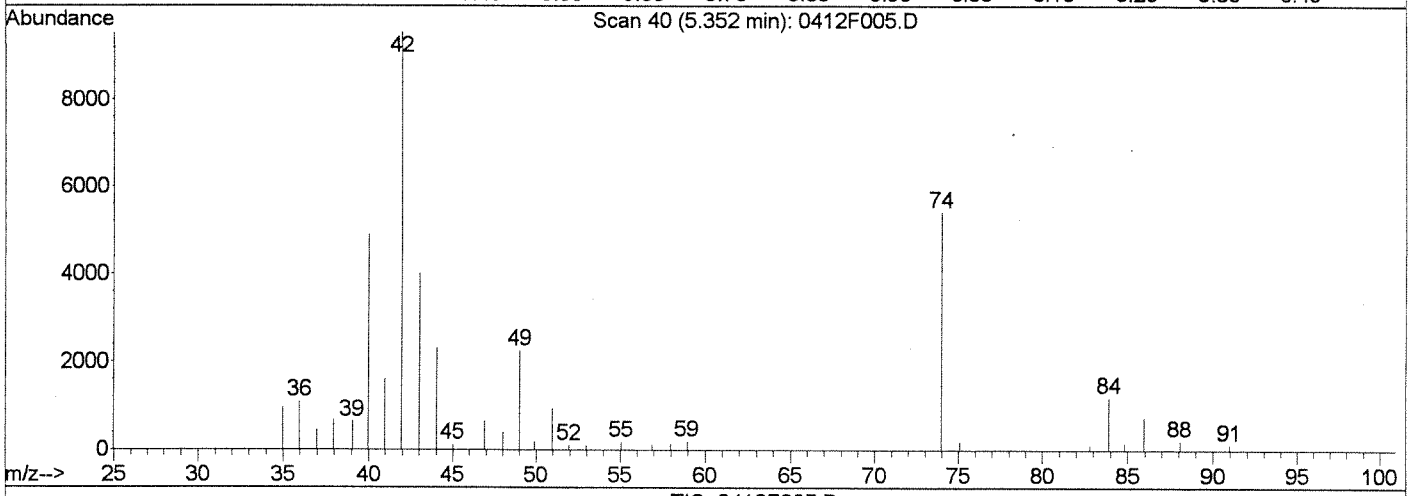


Quantitation Report (Qedit)

Data File : J:\MS10\DATA\041205\0412F005.D Vial: 5
Acq On : 12 Apr 2005 1:26 pm Operator: DHaderly
Sample : 8270LL @ 0.5/1.0ppm | SVM19-15F | KWG050 Inst : MS10
Misc : SVM\W0505864\5-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 5:59 2005 Quant Results File: temp.res

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Multiple Level Calibration





TIC: 0412F005.D

(2) N-Nitrosodimethylamine (T)

5.35min 441.13ng/ml

response 29453

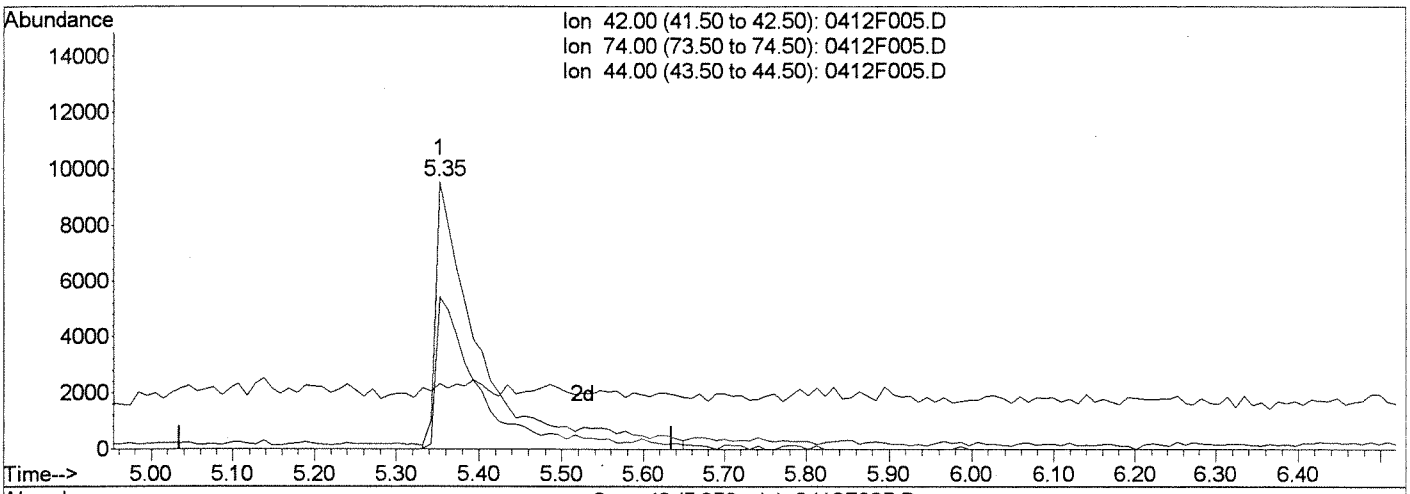
Ion	Exp%	Act%
42.00	100	100
74.00	58.30	57.71
44.00	3.20	3.86
0.00	0.00	0.00

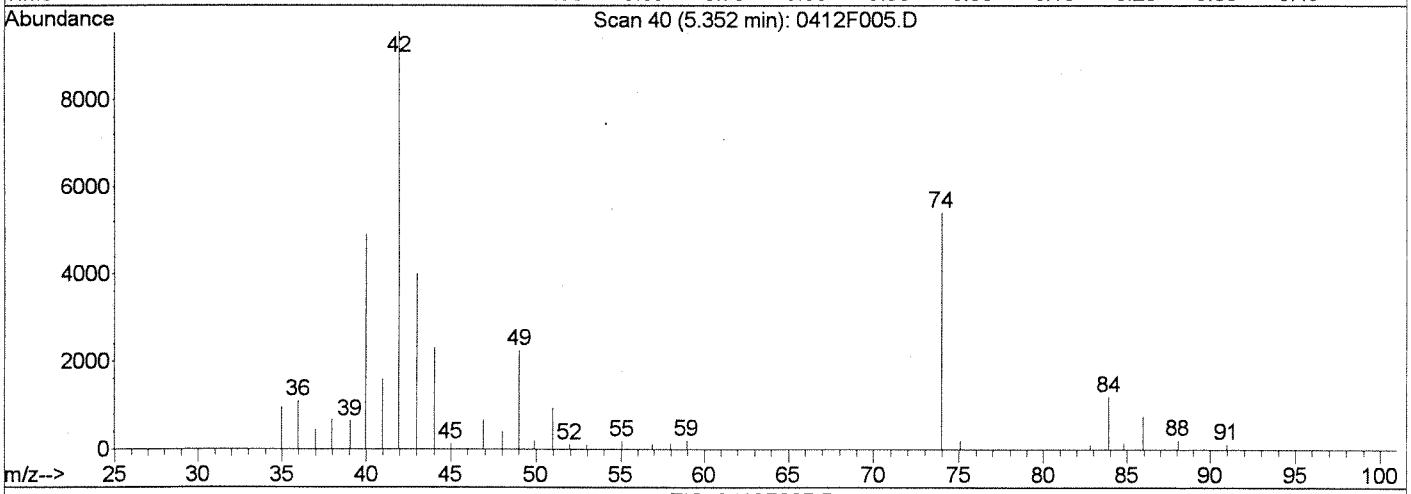
0412F005.D 0412BNLL.M Wed Apr 13 06:03:26 2005

Quantitation Report (Qedit)

Data File : J:\MS10\DATA\041205\0412F005.D Vial: 5
Acq On : 12 Apr 2005 1:26 pm Operator: DHaderly
Sample : 8270LL @ 0.5/1.0ppm | SVM19-15F | KWG050 Inst : MS10
Misc : SVM\W0505864\5-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:03 2005 Quant Results File: temp.res

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Multiple Level Calibration





TIC: 0412F005.D

(2) N-Nitrosodimethylamine (T)

5.35min 535.64ng/ml m

response 35763

Ion	Exp%	Act%
42.00	100	100
74.00	58.30	56.69
44.00	3.20	24.24#
0.00	0.00	0.00

Poor Integration

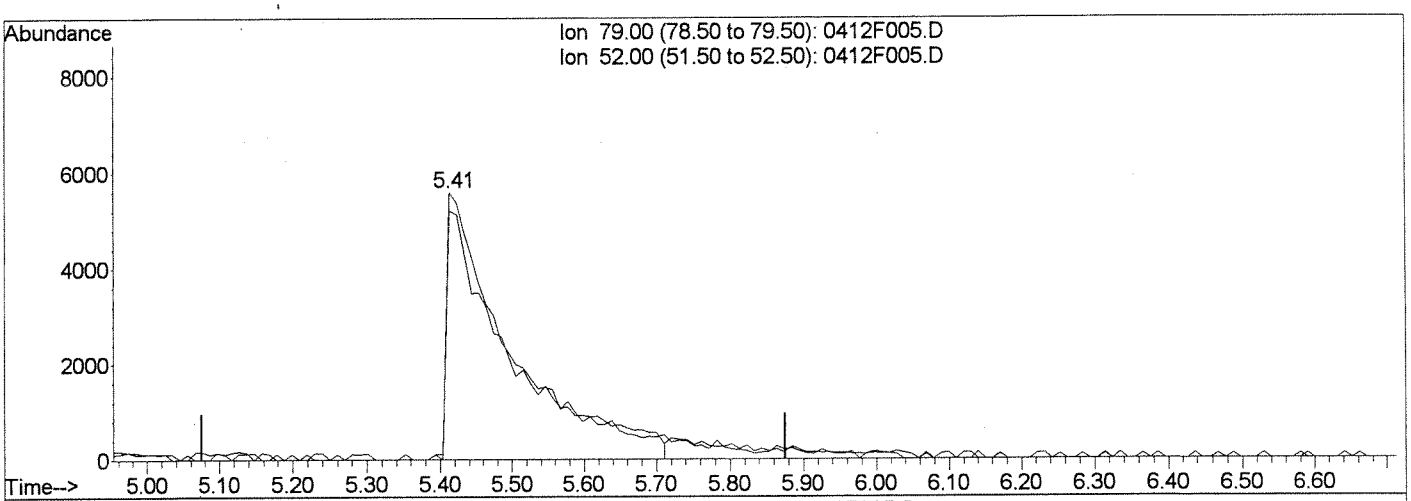
4/14/05

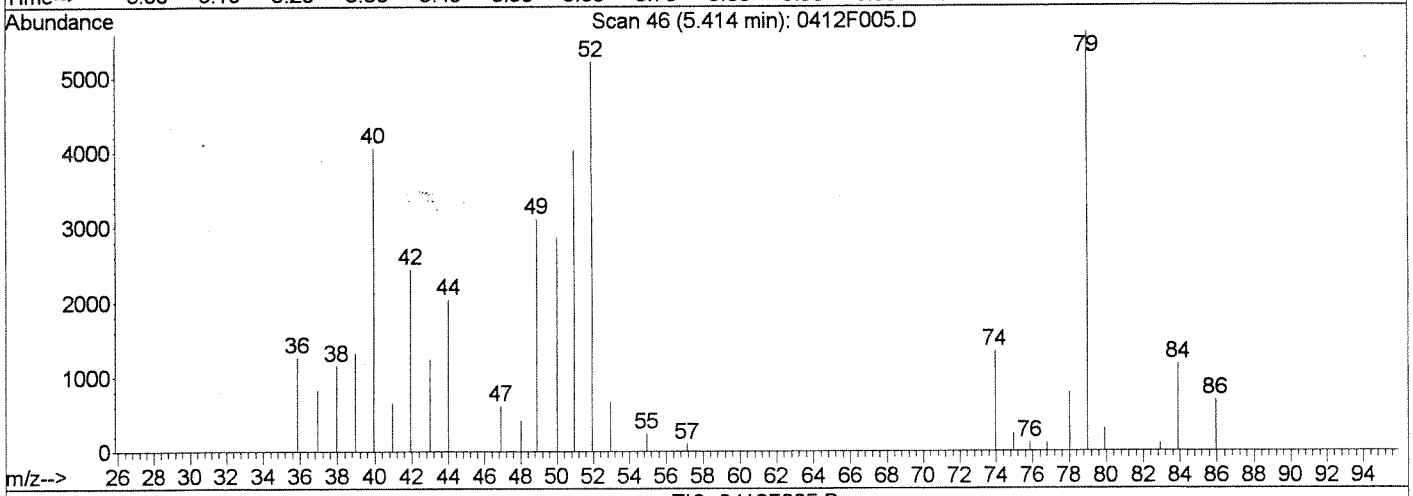
0412F005.D 0412BNLL.M Wed Apr 13 06:03:39 2005

Quantitation Report (Qedit)

Data File : J:\MS10\DATA\041205\0412F005.D Vial: 5
Acq On : 12 Apr 2005 1:26 pm Operator: DHaderly
Sample : 8270LL @ 0.5/1.0ppm | SVM19-15F | KWG050 Inst : MS10
Misc : SVM\W0505864\5-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:03 2005 Quant Results File: temp.res

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Multiple Level Calibration





TIC: 0412F005.D

(3) Pyridine (T)

5.41min 348.95ng/ml

response 34480

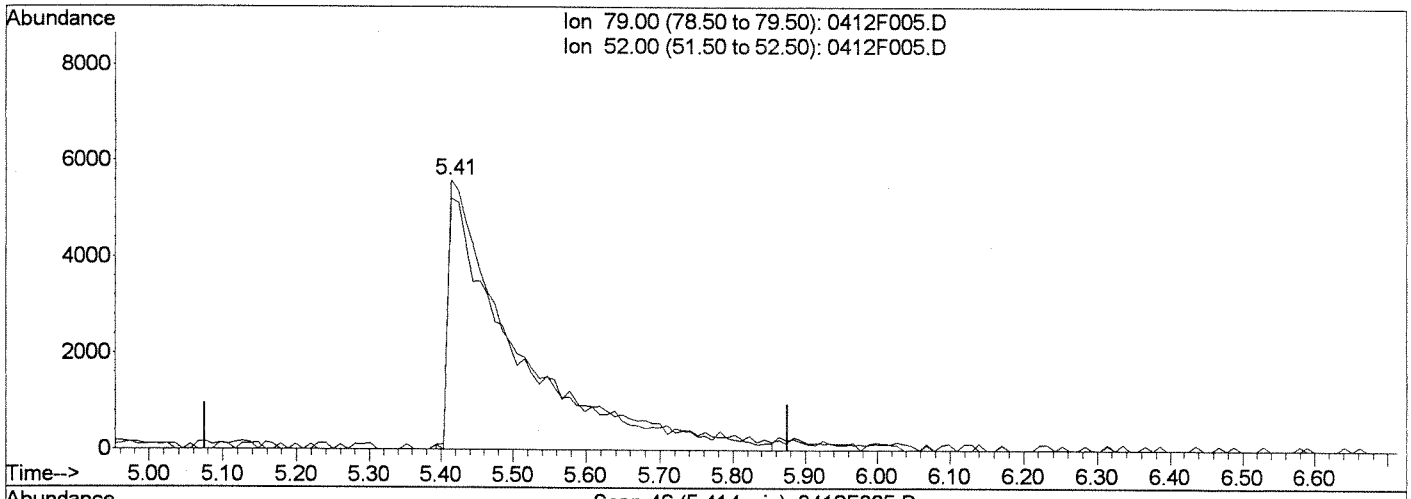
Ion	Exp%	Act%
79.00	100	100
52.00	98.10	93.21
0.00	0.00	0.00
0.00	0.00	0.00

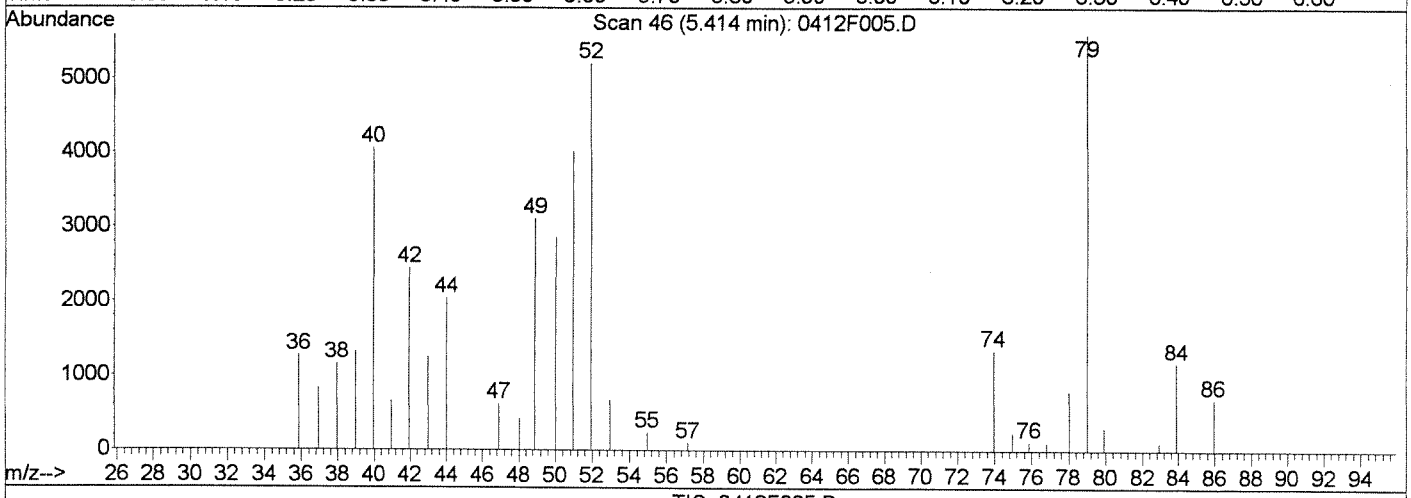
0412F005.D 0412BNLL.M Wed Apr 13 06:03:43 2005

Quantitation Report (Qedit)

Data File : J:\MS10\DATA\041205\0412F005.D Vial: 5
Acq On : 12 Apr 2005 1:26 pm Operator: DHaderly
Sample : 8270LL @ 0.5/1.0ppm | SVM19-15F | KWG050 Inst : MS10
Misc : SVM\W0505864\5-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:03 2005 Quant Results File: temp.res

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Multiple Level Calibration





TIC: 0412F005.D

(3) Pyridine (T)

5.41min 374.29ng/ml m

response 36984

Ion	Exp%	Act%
79.00	100	100
52.00	98.10	93.21
0.00	0.00	0.00
0.00	0.00	0.00

Poor Integration ✱ 4/14/15

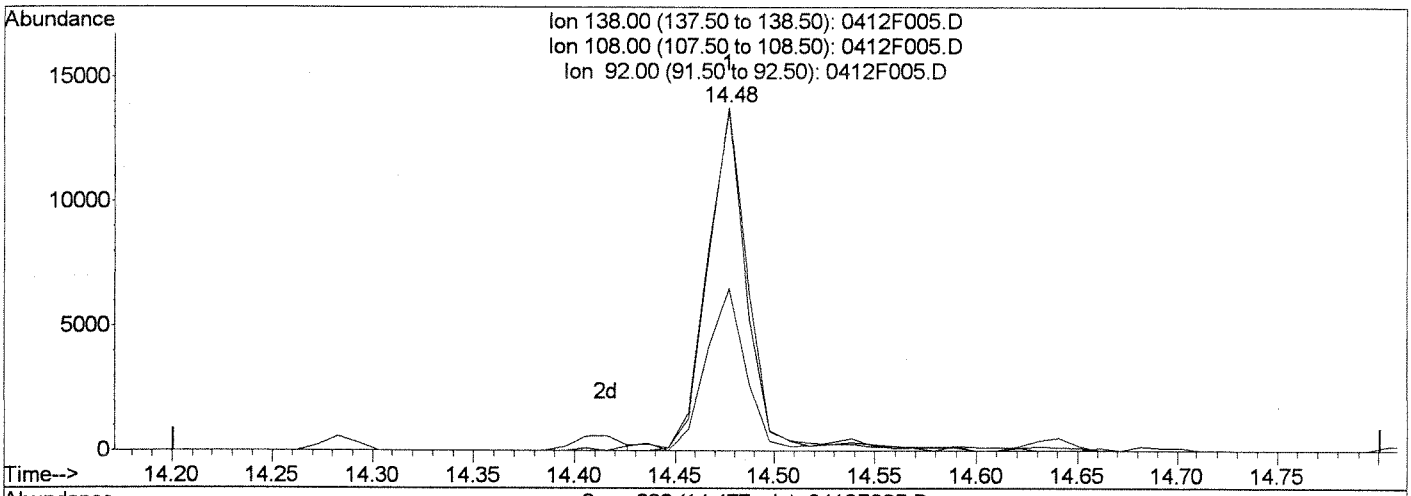
4/14/15

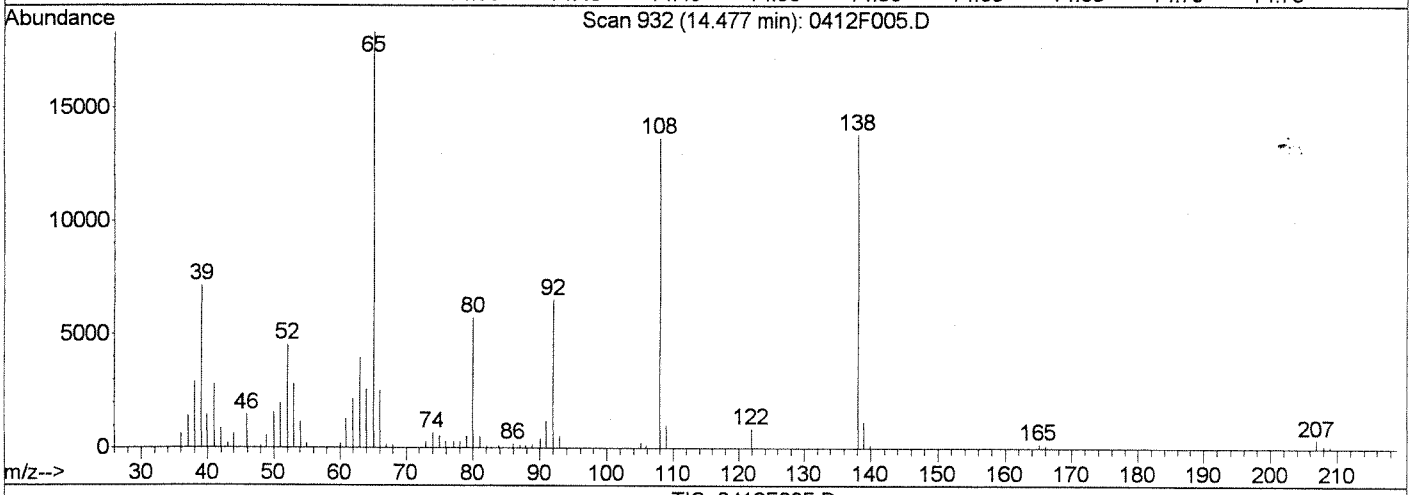
0412F005.D 0412BNLL.M Wed Apr 13 06:03:50 2005

Quantitation Report (Qedit)

Data File : J:\MS10\DATA\041205\0412F005.D Vial: 5
Acq On : 12 Apr 2005 1:26 pm Operator: DHaderly
Sample : 8270LL @ 0.5/1.0ppm | SVM19-15F | KWG050 Inst : MS10
Misc : SVM\W0505864\5-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:03 2005 Quant Results File: temp.res

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Multiple Level Calibration





TIC: 0412F005.D

(59) 4-Nitroaniline (T)

14.48min 439.68ng/ml

response 19898

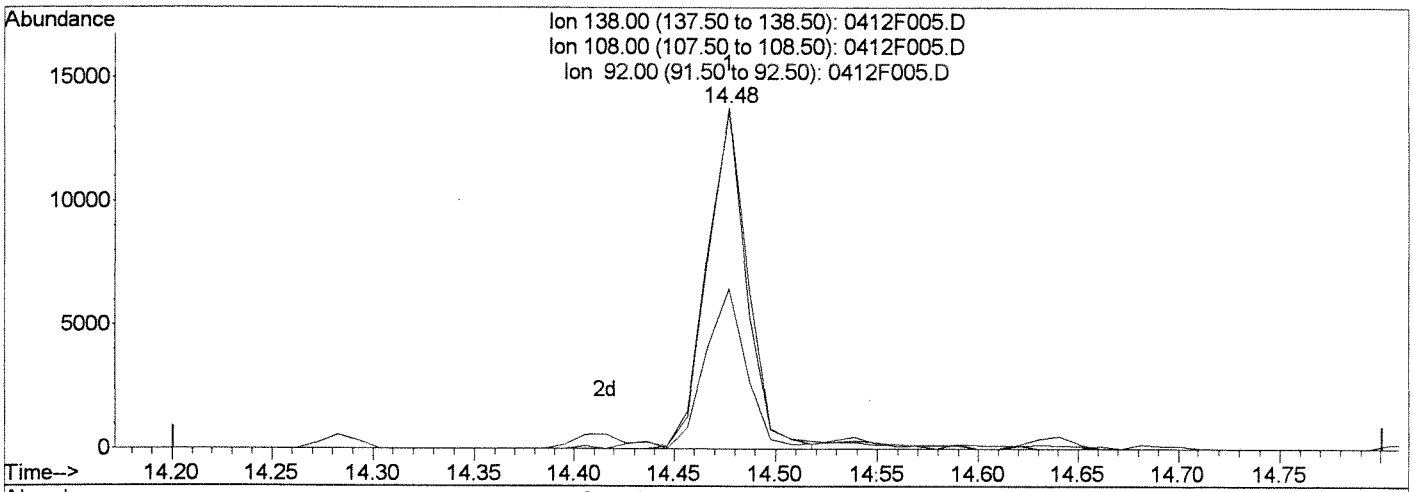
Ion	Exp%	Act%
138.00	100	100
108.00	103.20	98.86
92.00	50.70	47.11
0.00	0.00	0.00

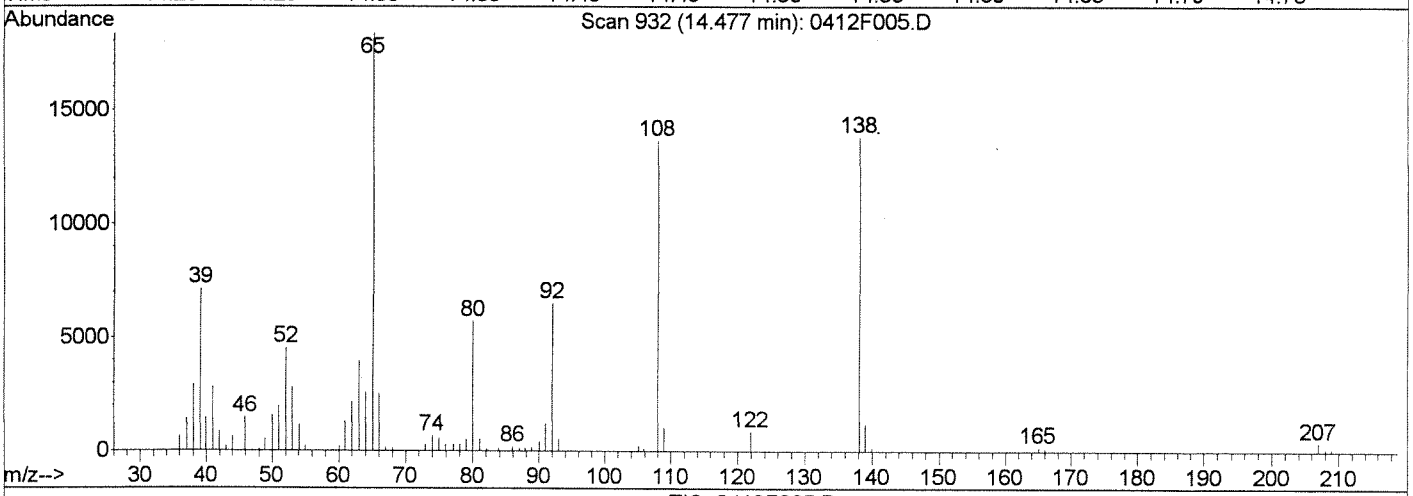
0412F005.D 0412BNLL.M Wed Apr 13 06:04:33 2005

Quantitation Report (Qedit)

Data File : J:\MS10\DATA\041205\0412F005.D Vial: 5
Acq On : 12 Apr 2005 1:26 pm Operator: DHaderly
Sample : 8270LL @ 0.5/1.0ppm | SVM19-15F | KWG050 Inst : MS10
Misc : SVM\W0505864\5-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:04 2005 Quant Results File: temp.res

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Multiple Level Calibration





TIC: 0412F005.D

(59) 4-Nitroaniline (T)

14.48min 416.44ng/ml m

response 18846

Ion	Exp%	Act%
138.00	100	100
108.00	103.20	98.86
92.00	50.70	47.11
0.00	0.00	0.00

Poor Integration

4/11/05

4/14/15

0412F005.D 0412BNLL.M Wed Apr 13 06:04:38 2005

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F006.D Vial: 6
Acq On : 12 Apr 2005 2:05 pm Operator: DHaderly
Sample : 8270LL @ 1.0/2.0ppm | SVM19-15G | KWG050 Inst : MS10
Misc : SVM\W0505864\6-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:10 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	66218	1000.00	ng/ml	0.00
23) Naphthalene-d8	10.69	136	228516	1000.00	ng/ml	0.00
37) Acenaphthene-d10	13.51	164	116234	1000.00	ng/ml	-0.01
63) Phenanthrene-d10	15.93	188	184831	1000.00	ng/ml	-0.01
74) Chrysene-d12	20.43	240	142296	1000.00	ng/ml	0.00
83) Perylene-d12	24.42	264	111329	1000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	6.97	112	75701	953.05	ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 110		Recovery = 25.41%#			
7) Phenol-d6	8.27	99	91216	987.65	ng/ml	-0.01
Spiked Amount 3750.000	Range 43 - 128		Recovery = 26.34%#			
21) Nitrobenzene-d5	9.58	82	90425	1001.19	ng/ml	0.00
Spiked Amount 2500.000	Range 30 - 139		Recovery = 40.05%			
42) 2-Fluorobiphenyl	12.44	172	153292	1079.51	ng/ml	0.00
Spiked Amount 2500.000	Range 37 - 126		Recovery = 43.18%			
64) 2,4,6-Tribromophenol	14.81	330	22767	1108.10	ng/ml	-0.01
Spiked Amount 3750.000	Range 38 - 157		Recovery = 29.55%#			
77) Terphenyl-d14	18.57	244	132901	1023.56	ng/ml	-0.01
Spiked Amount 2500.000	Range 54 - 158		Recovery = 40.94%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	5.35	42	69467	1039.24	ng/ml	96
3) Pyridine	5.40	79	76798	776.32	ng/ml	95
6) Bis(2-chloroethyl) Ether	8.38	93	78187	948.80	ng/ml	96
8) Phenol	8.29	94	181383	1963.67	ng/ml	87
9) Aniline	8.28	93	121758	1001.63	ng/ml#	82
10) 2-Chlorophenol	8.46	128	151265	2053.38	ng/ml	98
11) 1,3-Dichlorobenzene	8.66	146	91825	1016.22	ng/ml	100
12) 1,4-Dichlorobenzene	8.77	146	95662	1019.59	ng/ml	99
13) 1,2-Dichlorobenzene	8.99	146	88416	1060.36	ng/ml	97
14) Benzyl Alcohol	8.98	108	52550	1017.98	ng/ml	95
15) Bis(2-chloroisopropyl) Eth	9.17	45	147066	982.83	ng/ml	91
16) 2-Methylphenol	9.17	107	113670	2065.06	ng/ml	97
18) Hexachloroethane	9.49	117	42097	1022.00	ng/ml	99
19) N-Nitrosodi-n-propylamine	9.37	70	59755	984.49	ng/ml	98
20) 4-Methylphenol	9.41	107	166829	2051.79	ng/ml	97
22) Nitrobenzene	9.61	77	94724	1000.06	ng/ml	96
24) Isophorone	9.99	82	138735	936.96	ng/ml	99
25) 2-Nitrophenol	10.10	139	90206	2106.50	ng/ml	93
26) 2,4-Dimethylphenol	10.21	122	124849	2095.74	ng/ml	99
27) Bis(2-chloroethoxy)methane	10.35	93	94632	934.42	ng/ml	98

(#) = qualifier out of range (m) = manual integration
0412F006.D 0412BNLL.M Wed Apr 13 08:35:13 2005 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F006.D Vial: 6
Acq On : 12 Apr 2005 2:05 pm Operator: DHaderly
Sample : 8270LL @ 1.0/2.0ppm | SVM19-15G | KWG050 Inst : MS10
Misc : SVM\W0505864\6-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:10 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
28)	2,4-Dichlorophenol	10.50	162	137730	2182.49	ng/ml	96
29)	Benzoic Acid	10.43	122	41248	1380.31	ng/ml	97
30)	1,2,4-Trichlorobenzene	10.60	180	84741	1080.13	ng/ml	98
31)	Naphthalene	10.72	128	220564	1002.73	ng/ml	99
32)	4-Chloroaniline	10.84	127	105890	1056.32	ng/ml	98
33)	Hexachlorobutadiene	10.92	225	54224	1163.07	ng/ml	99
35)	4-Chloro-3-methylphenol	11.67	107	129889	1994.73	ng/ml	99
36)	2-Methylnaphthalene	11.83	141	125929	1011.74	ng/ml	98
39)	Hexachlorocyclopentadiene	12.08	237	35867	1102.43	ng/ml	99
40)	2,4,6-Trichlorophenol	12.31	196	96109	2274.85	ng/ml	99
41)	2,4,5-Trichlorophenol	12.38	196	103527	2237.90	ng/ml	99
44)	2-Chloronaphthalene	12.62	127	60968	1034.51	ng/ml	97
45)	2-Nitroaniline	12.81	65	58200	1020.51	ng/ml	82
46)	Acenaphthylene	13.28	152	204439	982.49	ng/ml	100
47)	Dimethyl Phthalate	13.13	163	169586	1031.28	ng/ml	99
48)	2,6-Dinitrotoluene	13.22	165	41180	1071.98	ng/ml	90
49)	Acenaphthene	13.57	154	122502	1002.90	ng/ml	99
50)	3-Nitroaniline	13.49	138	41660	981.53	ng/ml	98
51)	2,4-Dinitrophenol	13.67	184	26263	2172.51	ng/ml	93
52)	Dibenzofuran	13.86	168	204346	1024.68	ng/ml	96
53)	4-Nitrophenol	13.85	109	45416	2065.69	ng/ml#	71
54)	2,4-Dinitrotoluene	13.88	165	52105	1055.79	ng/ml	98
55)	2,3,4,6-Tetrachlorophenol	14.08	232	71367	2171.41	ng/ml	88
56)	Fluorene	14.41	166	147380	1010.55	ng/ml	100
57)	4-Chlorophenyl Phenyl Ethe	14.43	204	76274	1051.77	ng/ml	95
58)	Diethyl Phthalate	14.29	149	157426	958.21	ng/ml	99
59)	4-Nitroaniline	14.48	138	39855	889.52	ng/ml	99
60)	2-Methyl-4,6-dinitrophenol	14.54	198	53892	2329.27	ng/ml	98
61)	N-Nitrosodiphenylamine	14.63	169	100619	985.04	ng/ml	99
62)	Azobenzene	14.70	77	181533	938.73	ng/ml	95
65)	4-Bromophenyl Phenyl Ether	15.23	248	42587	1076.22	ng/ml	90
66)	Hexachlorobenzene	15.30	284	46981	1074.88	ng/ml	91
68)	Pentachlorophenol	15.66	266	32744	2059.24	ng/ml	98
69)	Phenanthrene	15.97	178	215942	1017.50	ng/ml	100
70)	Anthracene	16.06	178	215035	1014.36	ng/ml	100
71)	Carbazole	16.35	167	198361	997.88	ng/ml	98
72)	Di-n-butyl Phthalate	16.97	149	251612	962.10	ng/ml	99
73)	Fluoranthene	17.92	202	220724	1043.92	ng/ml	98
75)	Benzidine	18.18	184	184911	1867.47	ng/ml	99
76)	Pyrene	18.28	202	223785	979.72	ng/ml	98
78)	Butyl Benzyl Phthalate	19.42	149	106327	889.70	ng/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F006.D Vial: 6
Acq On : 12 Apr 2005 2:05 pm Operator: DHaderly
Sample : 8270LL @ 1.0/2.0ppm | SVM19-15G | KWG050 Inst : MS10
Misc : SVM\W0505864\6-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:10 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
79)	3,3'-Dichlorobenzidine	20.41	252	133767	2023.17	ng/ml	99
80)	Benz(a)anthracene	20.41	228	185808	1017.88	ng/ml	99
81)	Chrysene	20.50	228	167823	976.93	ng/ml	100
82)	Bis(2-ethylhexyl) Phthalat	20.62	149	138377	889.91	ng/ml	99
84)	Di-n-octyl Phthalate	22.40	149	216576	858.63	ng/ml	100
85)	Benzo(b)fluoranthene	23.29	252	151223	953.11	ng/ml	99
86)	Benzo(k)fluoranthene	23.38	252	154922	1001.05	ng/ml	98
87)	Benzo(a)pyrene	24.25	252	149687	1009.60	ng/ml	100
88)	Indeno(1,2,3-cd)pyrene	27.03	276	129924	1052.80	ng/ml	98
89)	Dibenz(a,h)anthracene	27.10	278	124430	1044.65	ng/ml	95
90)	Benzo(g,h,i)perylene	27.55	276	131841	1069.27	ng/ml	97

4/14/05

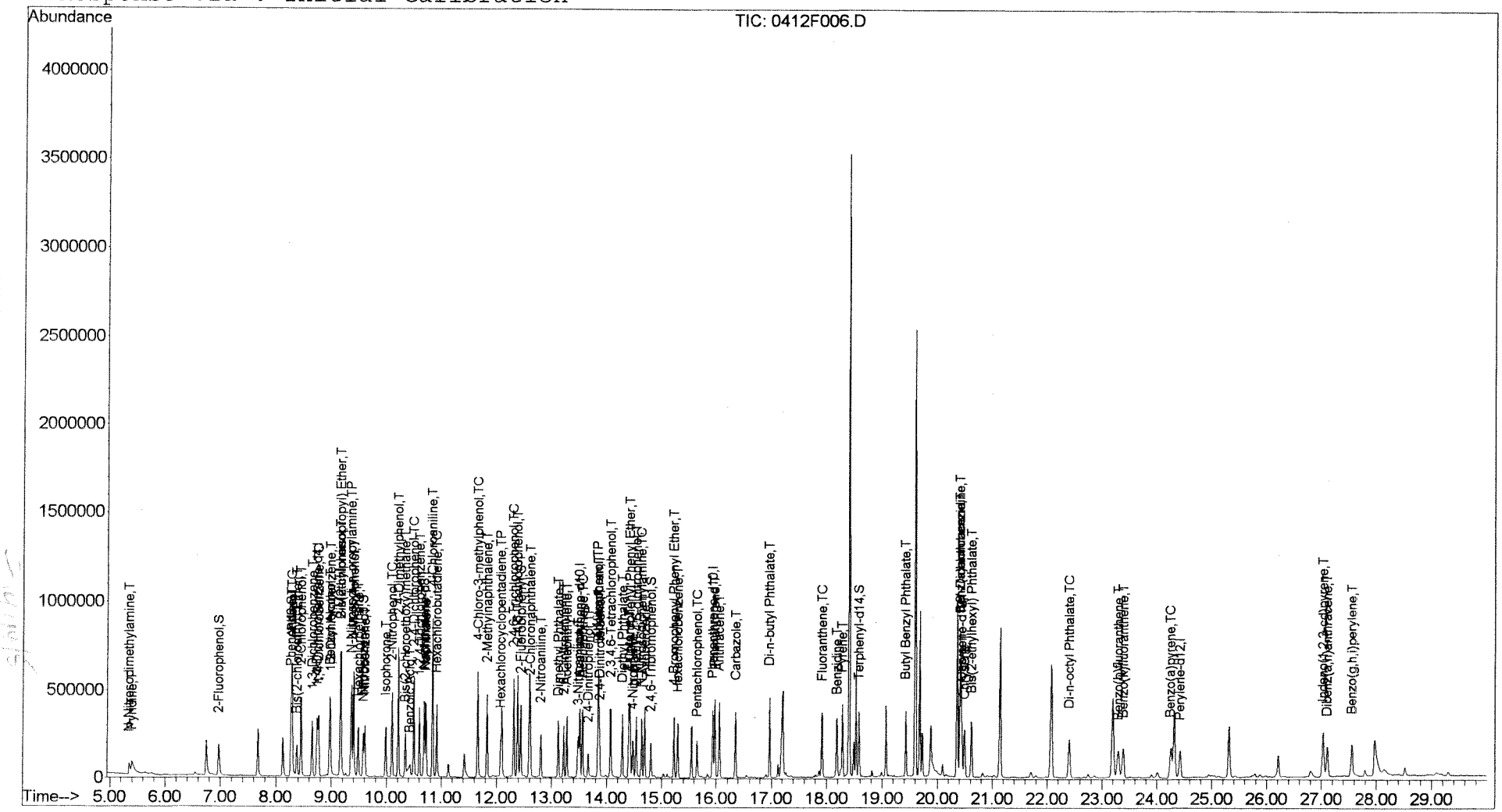
4/14/05

(#) = qualifier out of range (m) = manual integration
0412F006.D 0412BNLL.M Wed Apr 13 08:35:13 2005 Page 3

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F006.D Vial: 6
Acq On : 12 Apr 2005 2:05 pm Operator: DHaderly
Sample : 8270LL @ 1.0/2.0ppm | SVM19-15G | KWG050 Inst : MS10
Misc : SVM\W0505864\6-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:20 2005 Quant Results File: 0412BNLL.RES

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 06:36:18 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F007.D Vial: 7
Acq On : 12 Apr 2005 2:45 pm Operator: DHaderly
Sample : 8270LL @ 2.0/4.0ppm | SVM19-15H | KWG050 Inst : MS10
Misc : SVM\W0505864\7-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:11 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	65400	1000.00	ng/ml	0.00
23) Naphthalene-d8	10.69	136	221157	1000.00	ng/ml	0.00
37) Acenaphthene-d10	13.52	164	119472	1000.00	ng/ml	0.00
63) Phenanthrene-d10	15.94	188	182653	1000.00	ng/ml	0.00
74) Chrysene-d12	20.43	240	146617	1000.00	ng/ml	0.00
83) Perylene-d12	24.42	264	110484	1000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	6.97	112	150746	1921.58	ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 110		Recovery = 51.24%			
7) Phenol-d6	8.28	99	187422	2054.71	ng/ml	0.00
Spiked Amount 3750.000	Range 43 - 128		Recovery = 54.79%			
21) Nitrobenzene-d5	9.58	82	184820	2071.93	ng/ml	0.00
Spiked Amount 2500.000	Range 30 - 139		Recovery = 82.88%			
42) 2-Fluorobiphenyl	12.44	172	306649	2100.95	ng/ml	0.00
Spiked Amount 2500.000	Range 37 - 126		Recovery = 84.04%			
64) 2,4,6-Tribromophenol	14.82	330	48905	2408.65	ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 157		Recovery = 64.23%			
77) Terphenyl-d14	18.58	244	277422	2073.64	ng/ml	0.00
Spiked Amount 2500.000	Range 54 - 158		Recovery = 82.95%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	5.34	42	138398	2096.37	ng/ml	100
3) Pyridine	5.38	79	147963	1514.41	ng/ml	100
6) Bis(2-chloroethyl) Ether	8.38	93	149140	1832.46	ng/ml	100
8) Phenol	8.30	94	363388	3983.28	ng/ml	100
9) Aniline	8.28	93	252055	2099.44	ng/ml	100
10) 2-Chlorophenol	8.46	128	289780	3982.88	ng/ml	100
11) 1,3-Dichlorobenzene	8.66	146	183491	2056.08	ng/ml	100
12) 1,4-Dichlorobenzene	8.77	146	191365	2065.13	ng/ml	100
13) 1,2-Dichlorobenzene	8.99	146	177453	2154.79	ng/ml	100
14) Benzyl Alcohol	8.98	108	103940	2038.67	ng/ml	100
15) Bis(2-chloroisopropyl) Eth	9.17	45	278647	1885.47	ng/ml	100
16) 2-Methylphenol	9.17	107	217029	3992.12	ng/ml	100
18) Hexachloroethane	9.49	117	83910	2062.59	ng/ml	100
19) N-Nitrosodi-n-propylamine	9.38	70	120311	2006.97	ng/ml	100
20) 4-Methylphenol	9.41	107	321873	4008.15	ng/ml	100
22) Nitrobenzene	9.61	77	190562	2037.04	ng/ml	100
24) Isophorone	10.00	82	277876	1939.11	ng/ml	100
25) 2-Nitrophenol	10.10	139	174708	4215.55	ng/ml	100
26) 2,4-Dimethylphenol	10.22	122	232361	4030.25	ng/ml	100
27) Bis(2-chloroethoxy)methane	10.35	93	186433	1902.15	ng/ml	100

(#) = qualifier out of range (m) = manual integration
0412F007.D 0412BNLL.M Wed Apr 13 08:35:14 2005 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F007.D Vial: 7
Acq On : 12 Apr 2005 2:45 pm Operator: DHaderly
Sample : 8270LL @ 2.0/4.0ppm | SVM19-15H | KWG050 Inst : MS10
Misc : SVM\W0505864\7-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:11 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
28)	2,4-Dichlorophenol	10.50	162	264730	4334.54	ng/ml	100
29)	Benzoic Acid	10.49	122	104168	3601.84	ng/ml	100
30)	1,2,4-Trichlorobenzene	10.60	180	174631	2299.97	ng/ml	100
31)	Naphthalene	10.73	128	436302	2049.53	ng/ml	100
32)	4-Chloroaniline	10.85	127	218373	2250.90	ng/ml	100
33)	Hexachlorobutadiene	10.92	225	111727	2476.22	ng/ml	100
35)	4-Chloro-3-methylphenol	11.68	107	248734	3946.95	ng/ml	100
36)	2-Methylnaphthalene	11.83	141	263820	2190.12	ng/ml	100
39)	Hexachlorocyclopentadiene	12.08	237	81969	2451.16	ng/ml	100
40)	2,4,6-Trichlorophenol	12.32	196	194338	4475.22	ng/ml	100
41)	2,4,5-Trichlorophenol	12.39	196	210820	4433.69	ng/ml	100
44)	2-Chloronaphthalene	12.62	127	128919	2128.22	ng/ml	100
45)	2-Nitroaniline	12.81	65	121584	2074.13	ng/ml	100
46)	Acenaphthylene	13.28	152	428501	2003.47	ng/ml	100
47)	Dimethyl Phthalate	13.13	163	349003	2064.83	ng/ml	100
48)	2,6-Dinitrotoluene	13.23	165	83368	2111.38	ng/ml	100
49)	Acenaphthene	13.57	154	256747	2044.97	ng/ml	100
50)	3-Nitroaniline	13.50	138	86669	1986.63	ng/ml	100
51)	2,4-Dinitrophenol	13.68	184	69699	4128.53	ng/ml	100
52)	Dibenzofuran	13.86	168	422789	2062.59	ng/ml	100
53)	4-Nitrophenol	13.87	109	97577	4317.89	ng/ml	100
54)	2,4-Dinitrotoluene	13.89	165	107702	2123.20	ng/ml	100
55)	2,3,4,6-Tetrachlorophenol	14.08	232	148473	4395.00	ng/ml	100
56)	Fluorene	14.42	166	305926	2040.81	ng/ml	100
57)	4-Chlorophenyl Phenyl Ethe	14.44	204	156812	2103.72	ng/ml	100
58)	Diethyl Phthalate	14.30	149	320021	1895.09	ng/ml	100
59)	4-Nitroaniline	14.50	138	83532	1813.81	ng/ml	100
60)	2-Methyl-4,6-dinitrophenol	14.55	198	117513	4941.39	ng/ml	100
61)	N-Nitrosodiphenylamine	14.64	169	204861	1951.20	ng/ml	100
62)	Azobenzene	14.70	77	356896	1795.54	ng/ml	100
65)	4-Bromophenyl Phenyl Ether	15.24	248	89747	2295.05	ng/ml	100
66)	Hexachlorobenzene	15.30	284	99773	2309.92	ng/ml	100
68)	Pentachlorophenol	15.66	266	81544	4200.90	ng/ml	100
69)	Phenanthrene	15.98	178	440080	2098.34	ng/ml	100
70)	Anthracene	16.07	178	433693	2070.20	ng/ml	100
71)	Carbazole	16.35	167	401103	2041.86	ng/ml	100
72)	Di-n-butyl Phthalate	16.97	149	520947	2015.73	ng/ml	100
73)	Fluoranthene	17.92	202	463296	2217.30	ng/ml	100
75)	Benzidine	18.18	184	407594	3995.10	ng/ml	100
76)	Pyrene	18.29	202	471103	2001.68	ng/ml	100
78)	Butyl Benzyl Phthalate	19.42	149	223850	1817.87	ng/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F007.D Vial: 7
Acq On : 12 Apr 2005 2:45 pm Operator: DHaderly
Sample : 8270LL @ 2.0/4.0ppm | SVM19-15H | KWG050 Inst : MS10
Misc : SVM\W0505864\7-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:11 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
79)	3,3'-Dichlorobenzidine	20.42	252	281427	4131.02	ng/ml	100
80)	Benz(a)anthracene	20.42	228	390977	2078.70	ng/ml	100
81)	Chrysene	20.50	228	350927	1982.61	ng/ml	100
82)	Bis(2-ethylhexyl) Phthalat	20.62	149	291592	1819.97	ng/ml	100
84)	Di-n-octyl Phthalate	22.40	149	459532	1835.78	ng/ml	100
85)	Benzo(b)fluoranthene	23.31	252	319167	2026.98	ng/ml	100
86)	Benzo(k)fluoranthene	23.40	252	316142	2058.42	ng/ml	100
87)	Benzo(a)pyrene	24.27	252	315892	2146.91	ng/ml	100
88)	Indeno(1,2,3-cd)pyrene	27.04	276	266922	2179.46	ng/ml	100
89)	Dibenz(a,h)anthracene	27.12	278	260808	2206.36	ng/ml	100
90)	Benzo(g,h,i)perylene	27.57	276	270409	2209.88	ng/ml	100

4/14/05

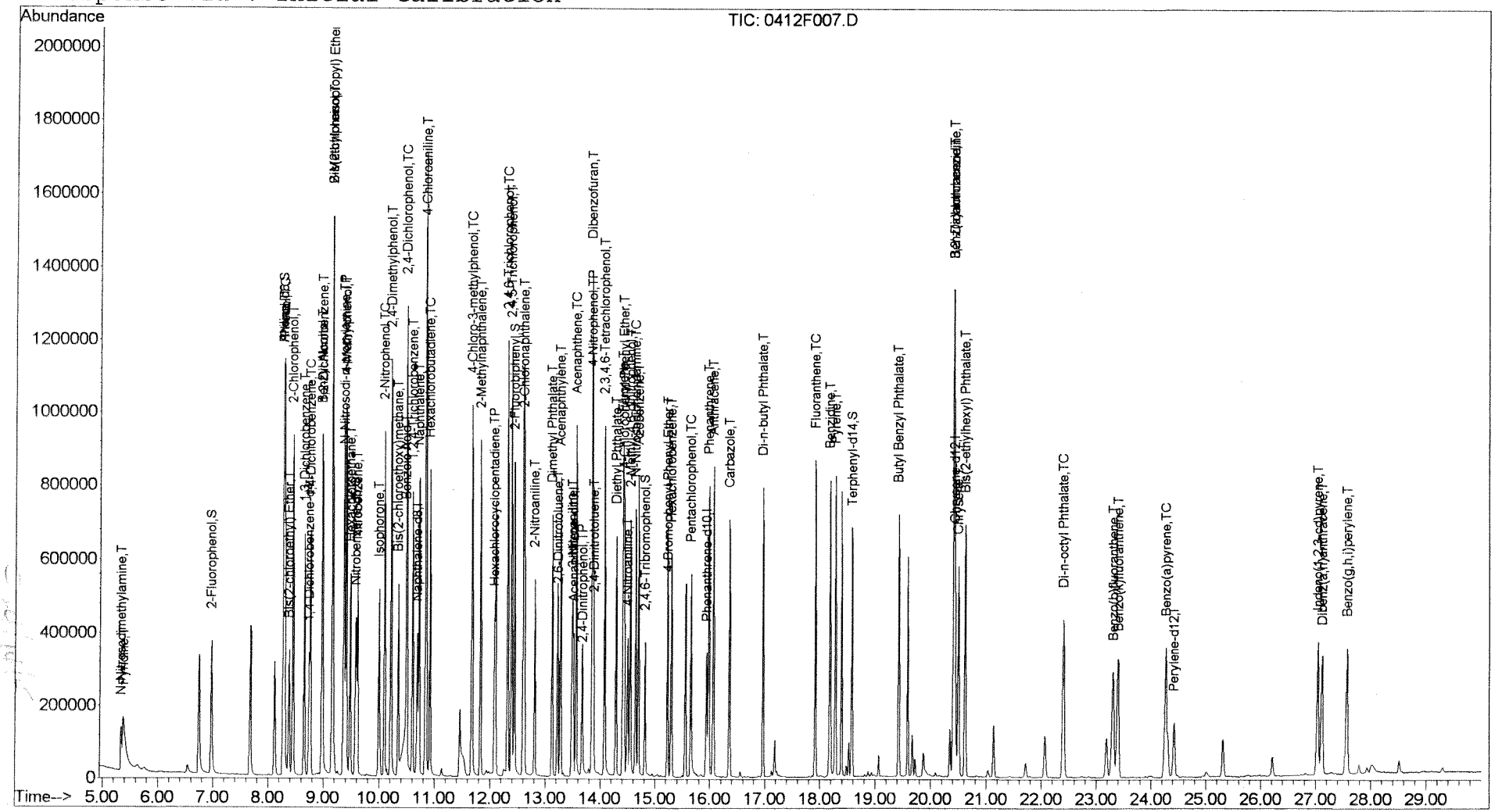
4/14/05

(#) = qualifier out of range (m) = manual integration
0412F007.D 0412BNLL.M Wed Apr 13 08:35:14 2005 Page 3

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F007.D Vial: 7
Acq On : 12 Apr 2005 2:45 pm Operator: DHaderly
Sample : 8270LL @ 2.0/4.0ppm | SVM19-15H | KWG050 Inst : MS10
Misc : SVM\W0505864\7-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:19 2005 Quant Results File: 0412BNLL.RES

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 06:36:18 2005
Response via : Initial Calibration



775

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F008.D Vial: 8
Acq On : 12 Apr 2005 3:24 pm Operator: DHaderly
Sample : 8270LL @ 3.0/6.0ppm | SVM19-15I | KWG050 Inst : MS10
Misc : SVM\W0505864\8-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:12 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	67549	1000.00	ng/ml	0.00
23) Naphthalene-d8	10.70	136	217092	1000.00	ng/ml	0.00
37) Acenaphthene-d10	13.52	164	117159	1000.00	ng/ml	0.00
63) Phenanthrene-d10	15.94	188	187961	1000.00	ng/ml	0.00
74) Chrysene-d12	20.44	240	149473	1000.00	ng/ml	0.00
83) Perylene-d12	24.42	264	112203	1000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	6.97	112	228479	2819.80	ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 110		Recovery = 75.19%			
7) Phenol-d6	8.28	99	273607	2904.13	ng/ml	0.00
Spiked Amount 3750.000	Range 43 - 128		Recovery = 77.44%			
21) Nitrobenzene-d5	9.59	82	274941	2984.18	ng/ml	0.00
Spiked Amount 2500.000	Range 30 - 139		Recovery = 119.37%			
42) 2-Fluorobiphenyl	12.44	172	474053	3312.01	ng/ml	0.00
Spiked Amount 2500.000	Range 37 - 126		Recovery = 132.48%#			
64) 2,4,6-Tribromophenol	14.83	330	74305	3556.29	ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 157		Recovery = 94.83%			
77) Terphenyl-d14	18.58	244	421929	3093.52	ng/ml	0.00
Spiked Amount 2500.000	Range 54 - 158		Recovery = 123.74%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	5.35	42	215859	3165.68	ng/ml	99
3) Pyridine	5.38	79	231989	2298.88	ng/ml	92
6) Bis(2-chloroethyl) Ether	8.39	93	227687	2708.55	ng/ml	98
8) Phenol	8.31	94	533862	5665.76	ng/ml	100
9) Aniline	8.28	93	366435	2955.04	ng/ml#	86
10) 2-Chlorophenol	8.45	128	454590	6049.34	ng/ml	96
11) 1,3-Dichlorobenzene	8.66	146	285191	3093.99	ng/ml	98
12) 1,4-Dichlorobenzene	8.77	146	292299	3054.01	ng/ml	99
13) 1,2-Dichlorobenzene	8.99	146	272115	3199.14	ng/ml	99
14) Benzyl Alcohol	8.99	108	157608	2992.96	ng/ml	99
15) Bis(2-chloroisopropyl) Eth	9.17	45	403815	2645.49	ng/ml	94
16) 2-Methylphenol	9.18	107	330939	5893.76	ng/ml	99
18) Hexachloroethane	9.49	117	131446	3128.28	ng/ml	95
19) N-Nitrosodi-n-propylamine	9.39	70	180411	2913.79	ng/ml	100
20) 4-Methylphenol	9.42	107	495164	5969.90	ng/ml	99
22) Nitrobenzene	9.62	77	283983	2939.10	ng/ml	98
24) Isophorone	10.01	82	417528	2968.21	ng/ml	99
25) 2-Nitrophenol	10.11	139	269073	6614.07	ng/ml	95
26) 2,4-Dimethylphenol	10.22	122	356354	6296.62	ng/ml	98
27) Bis(2-chloroethoxy)methane	10.36	93	278905	2898.91	ng/ml	99

(#) = qualifier out of range (m) = manual integration
0412F008.D 0412BNLL.M Wed Apr 13 08:35:16 2005 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F008.D Vial: 8
Acq On : 12 Apr 2005 3:24 pm Operator: DHaderly
Sample : 8270LL @ 3.0/6.0ppm | SVM19-15I | KWG050 Inst : MS10
Misc : SVM\W0505864\8-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:12 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
28)	2,4-Dichlorophenol	10.51	162	400118	6673.97	ng/ml	97
29)	Benzoic Acid	10.54	122	171491	6040.72	ng/ml	95
30)	1,2,4-Trichlorobenzene	10.61	180	255313	3425.55	ng/ml	98
31)	Naphthalene	10.73	128	662706	3171.35	ng/ml	99
32)	4-Chloroaniline	10.85	127	321874	3379.87	ng/ml	95
33)	Hexachlorobutadiene	10.92	225	168089	3795.14	ng/ml	99
35)	4-Chloro-3-methylphenol	11.69	107	390685	6315.54	ng/ml	99
36)	2-Methylnaphthalene	11.84	141	401224	3393.16	ng/ml	98
39)	Hexachlorocyclopentadiene	12.09	237	127020	3873.33	ng/ml	99
40)	2,4,6-Trichlorophenol	12.32	196	290828	6829.41	ng/ml	98
41)	2,4,5-Trichlorophenol	12.40	196	316759	6793.17	ng/ml	100
44)	2-Chloronaphthalene	12.63	127	195634	3293.32	ng/ml	97
45)	2-Nitroaniline	12.82	65	181266	3153.31	ng/ml	91
46)	Acenaphthylene	13.28	152	645265	3076.51	ng/ml	100
47)	Dimethyl Phthalate	13.14	163	516402	3115.54	ng/ml	99
48)	2,6-Dinitrotoluene	13.23	165	124743	3221.62	ng/ml	76
49)	Acenaphthene	13.57	154	372620	3026.49	ng/ml	99
50)	3-Nitroaniline	13.50	138	126916	2966.60	ng/ml	90
51)	2,4-Dinitrophenol	13.68	184	123686	6547.39	ng/ml	76
52)	Dibenzofuran	13.87	168	624271	3105.65	ng/ml	98
53)	4-Nitrophenol	13.88	109	158939	7172.08	ng/ml#	70
54)	2,4-Dinitrotoluene	13.89	165	164976	3316.49	ng/ml	82
55)	2,3,4,6-Tetrachlorophenol	14.09	232	233701	7054.44	ng/ml	95
56)	Fluorene	14.42	166	453491	3084.93	ng/ml	99
57)	4-Chlorophenyl Phenyl Ethe	14.44	204	237313	3246.54	ng/ml	96
58)	Diethyl Phthalate	14.31	149	486971	2940.66	ng/ml	99
59)	4-Nitroaniline	14.52	138	123519	2735.03	ng/ml	96
60)	2-Methyl-4,6-dinitrophenol	14.56	198	187332	8032.78	ng/ml	94
61)	N-Nitrosodiphenylamine	14.65	169	311556	3025.99	ng/ml	100
62)	Azobenzene	14.71	77	552255	2833.24	ng/ml	95
65)	4-Bromophenyl Phenyl Ether	15.24	248	136110	3382.38	ng/ml	95
66)	Hexachlorobenzene	15.31	284	150705	3390.56	ng/ml	89
68)	Pentachlorophenol	15.66	266	136033	6495.78	ng/ml	99
69)	Phenanthrene	15.98	178	670987	3108.97	ng/ml	100
70)	Anthracene	16.07	178	679554	3152.20	ng/ml	100
71)	Carbazole	16.36	167	616186	3048.18	ng/ml	100
72)	Di-n-butyl Phthalate	16.98	149	803134	3019.85	ng/ml	99
73)	Fluoranthene	17.93	202	693194	3223.89	ng/ml	98
75)	Benzidine	18.19	184	580331	5579.53	ng/ml	99
76)	Pyrene	18.29	202	705847	2941.78	ng/ml	99
78)	Butyl Benzyl Phthalate	19.43	149	344348	2743.00	ng/ml	91

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F008.D Vial: 8
Acq On : 12 Apr 2005 3:24 pm Operator: DHaderly
Sample : 8270LL @ 3.0/6.0ppm | SVM19-15I | KWG050 Inst : MS10
Misc : SVM\W0505864\8-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:12 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
79)	3,3'-Dichlorobenzidine	20.42	252	429470	6183.67	ng/ml	98
80)	Benz(a)anthracene	20.42	228	601451	3136.62	ng/ml	99
81)	Chrysene	20.51	228	528506	2928.82	ng/ml	99
82)	Bis(2-ethylhexyl) Phthalat	20.62	149	446680	2734.68	ng/ml	99
84)	Di-n-octyl Phthalate	22.41	149	709393	2790.53	ng/ml	98
85)	Benzo(b)fluoranthene	23.32	252	496460	3104.64	ng/ml	100
86)	Benzo(k)fluoranthene	23.41	252	472355	3028.41	ng/ml	98
87)	Benzo(a)pyrene	24.28	252	477680	3196.74	ng/ml	100
88)	Indeno(1,2,3-cd)pyrene	27.05	276	397261m	3194.00	ng/ml	
89)	Dibenz(a,h)anthracene	27.13	278	410626	3420.56	ng/ml	99
90)	Benzo(g,h,i)perylene	27.58	276	414039	3331.83	ng/ml	99

4/14/05

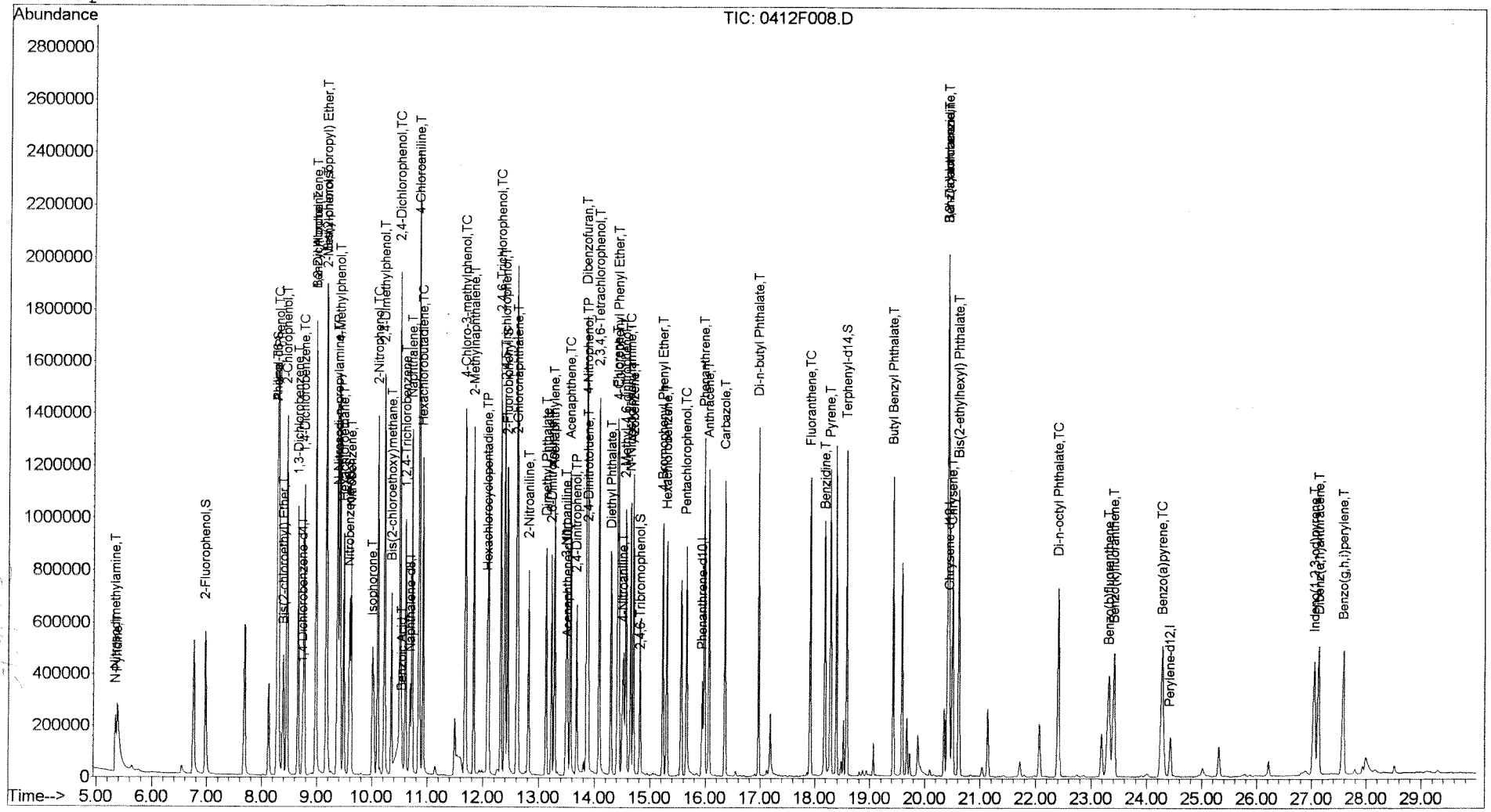
4/14/05

(#) = qualifier out of range (m) = manual integration
0412F008.D 0412BNLL.M Wed Apr 13 08:35:16 2005 Page 3

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F008.D Vial: 8
Acq On : 12 Apr 2005 3:24 pm Operator: DHaderly
Sample : 8270LL @ 3.0/6.0ppm | SVM19-15I | KWG050 Inst : MS10
Misc : SVM\W0505864\8-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:18 2005 Quant Results File: 0412BNLL.RES

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 06:36:18 2005
Response via : Initial Calibration

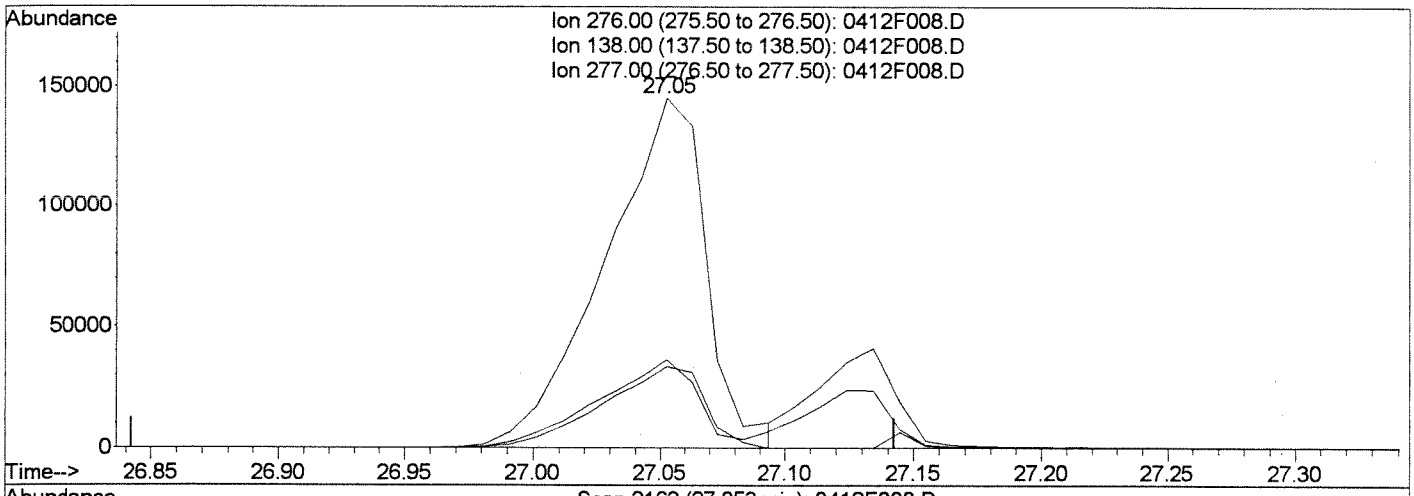


779

Quantitation Report (Qedit)

Data File : J:\MS10\DATA\041205\0412F008.D Vial: 8
Acq On : 12 Apr 2005 3:24 pm Operator: DHaderly
Sample : 8270LL @ 3.0/6.0ppm | SVM19-15I | KWG050 Inst : MS10
Misc : SVM\W0505864\8-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 5:59 2005 Quant Results File: temp.res

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Multiple Level Calibration



TIC: 0412F008.D

(88) Indeno(1,2,3-cd)pyrene (T)

27.05min 3245.75ng/ml

response 403697

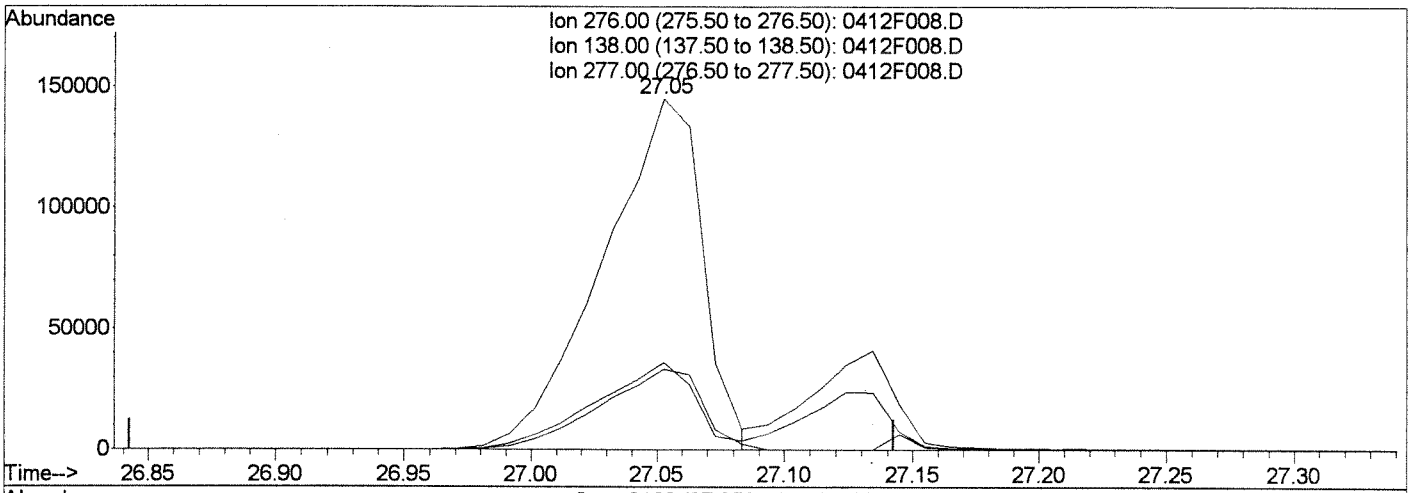
Ion	Exp%	Act%
276.00	100	100
138.00	25.10	24.96
277.00	23.70	23.00
0.00	0.00	0.00

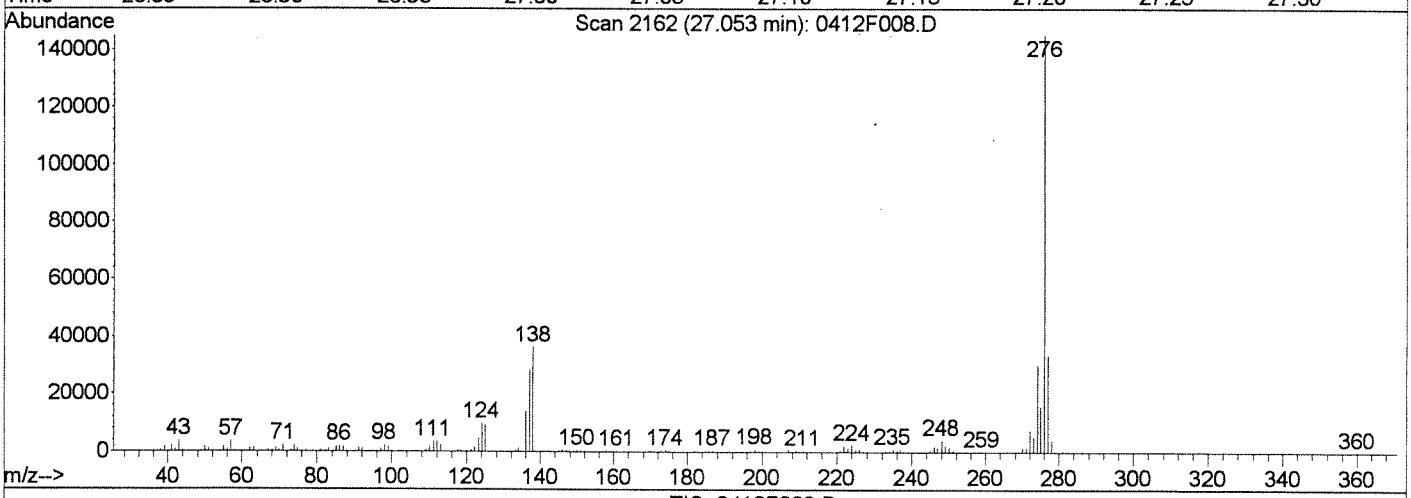
0412F008.D 0412BNLL.M Wed Apr 13 06:07:38 2005

Quantitation Report (Qedit)

Data File : J:\MS10\DATA\041205\0412F008.D Vial: 8
Acq On : 12 Apr 2005 3:24 pm Operator: DHaderly
Sample : 8270LL @ 3.0/6.0ppm | SVM19-15I | KWG050 Inst : MS10
Misc : SVM\W0505864\8-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:07 2005 Quant Results File: temp.res

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Multiple Level Calibration





TIC: 0412F008.D

(88) Indeno(1,2,3-cd)pyrene (T)

27.05min 3194.00ng/ml m

response 397261

Ion	Exp%	Act%
276.00	100	100
138.00	25.10	24.96
277.00	23.70	23.00
0.00	0.00	0.00

4/14/05

poor Integration

4/14/05

0412F008.D 0412BNLL.M Wed Apr 13 06:07:43 2005

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F009.D Vial: 9
Acq On : 12 Apr 2005 4:04 pm Operator: DHaderly
Sample : 8270LL @ 4.0/8.0ppm | SVM19-15J | KWG050 Inst : MS10
Misc : SVM\W0505864\9-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:13 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.75	152	65520	1000.00	ng/ml	0.01
23) Naphthalene-d8	10.70	136	213060	1000.00	ng/ml	0.01
37) Acenaphthene-d10	13.52	164	117289	1000.00	ng/ml	0.00
63) Phenanthrene-d10	15.94	188	182079	1000.00	ng/ml	0.00
74) Chrysene-d12	20.44	240	146328	1000.00	ng/ml	0.01
83) Perylene-d12	24.43	264	110534	1000.00	ng/ml	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	6.98	112	296548	3773.21	ng/ml	0.01
Spiked Amount 3750.000	Range 38 - 110		Recovery = 100.62%			
7) Phenol-d6	8.29	99	360876	3949.04	ng/ml	0.01
Spiked Amount 3750.000	Range 43 - 128		Recovery = 105.31%			
21) Nitrobenzene-d5	9.59	82	361213	4041.98	ng/ml	0.01
Spiked Amount 2500.000	Range 30 - 139		Recovery = 161.68%#			
42) 2-Fluorobiphenyl	12.46	172	617680	4310.69	ng/ml	0.01
Spiked Amount 2500.000	Range 37 - 126		Recovery = 172.43%#			
64) 2,4,6-Tribromophenol	14.83	330	99144	4898.39	ng/ml	0.01
Spiked Amount 3750.000	Range 38 - 157		Recovery = 130.62%			
77) Terphenyl-d14	18.58	244	554881	4155.75	ng/ml	0.00
Spiked Amount 2500.000	Range 54 - 158		Recovery = 166.23%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	5.35	42	272855	4125.47	ng/ml	98
3) Pyridine	5.38	79	298545	3050.03	ng/ml	92
6) Bis(2-chloroethyl) Ether	8.39	93	295296	3621.61	ng/ml	98
8) Phenol	8.31	94	679320	7432.74	ng/ml	91
9) Aniline	8.28	93	467925	3890.34	ng/ml#	84
10) 2-Chlorophenol	8.47	128	570384	7825.29	ng/ml	98
11) 1,3-Dichlorobenzene	8.66	146	375107	4195.50	ng/ml	98
12) 1,4-Dichlorobenzene	8.77	146	389695	4197.72	ng/ml	98
13) 1,2-Dichlorobenzene	8.99	146	344351	4173.76	ng/ml	98
14) Benzyl Alcohol	8.99	108	202036	3955.46	ng/ml	97
15) Bis(2-chloroisopropyl) Eth	9.17	45	507641	3428.67	ng/ml	87
16) 2-Methylphenol	9.18	107	420709	7724.52	ng/ml	97
18) Hexachloroethane	9.49	117	168538	4135.25	ng/ml	94
19) N-Nitrosodi-n-propylamine	9.40	70	223346m	3718.93	ng/ml	
20) 4-Methylphenol	9.43	107	609770	7579.30	ng/ml	99
22) Nitrobenzene	9.63	77	368107	3927.73	ng/ml	93
24) Isophorone	10.02	82	539758	3909.76	ng/ml	99
25) 2-Nitrophenol	10.11	139	351408	8801.41	ng/ml	98
26) 2,4-Dimethylphenol	10.24	122	456655	8221.59	ng/ml	98
27) Bis(2-chloroethoxy)methane	10.36	93	362249	3836.43	ng/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F009.D Vial: 9
Acq On : 12 Apr 2005 4:04 pm Operator: DHaderly
Sample : 8270LL @ 4.0/8.0ppm | SVM19-15J | KWG050 Inst : MS10
Misc : SVM\W0505864\9-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:13 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
28)	2,4-Dichlorophenol	10.51	162	527183	8959.83	ng/ml	99
29)	Benzoic Acid	10.57	122	243583	8742.51	ng/ml	97
30)	1,2,4-Trichlorobenzene	10.61	180	326107	4458.20	ng/ml	98
31)	Naphthalene	10.73	128	859457	4190.73	ng/ml	99
32)	4-Chloroaniline	10.86	127	412726	4415.89	ng/ml	99
33)	Hexachlorobutadiene	10.93	225	220005	5061.30	ng/ml	99
35)	4-Chloro-3-methylphenol	11.70	107	494078	8138.07	ng/ml	98
36)	2-Methylnaphthalene	11.84	141	513509	4424.94	ng/ml	100
39)	Hexachlorocyclopentadiene	12.09	237	173261	5277.54	ng/ml	100
40)	2,4,6-Trichlorophenol	12.33	196	380649	8928.73	ng/ml	99
41)	2,4,5-Trichlorophenol	12.40	196	407378	8726.89	ng/ml	100
44)	2-Chloronaphthalene	12.63	127	249320	4192.42	ng/ml	98
45)	2-Nitroaniline	12.82	65	232947	4047.87	ng/ml	95
46)	Acenaphthylene	13.29	152	839195	3996.70	ng/ml	99
47)	Dimethyl Phthalate	13.14	163	676453	4076.63	ng/ml	99
48)	2,6-Dinitrotoluene	13.24	165	170562	4400.06	ng/ml	97
49)	Acenaphthene	13.58	154	498594	4045.18	ng/ml	100
50)	3-Nitroaniline	13.51	138	167676	3915.00	ng/ml	95
51)	2,4-Dinitrophenol	13.69	184	164981	8242.26	ng/ml	84
52)	Dibenzofuran	13.87	168	836075	4154.73	ng/ml	93
53)	4-Nitrophenol	13.89	109	213447	9621.06	ng/ml#	63
54)	2,4-Dinitrotoluene	13.90	165	219046	4398.57	ng/ml	95
55)	2,3,4,6-Tetrachlorophenol	14.09	232	307548	9273.27	ng/ml	98
56)	Fluorene	14.42	166	590182	4010.34	ng/ml	99
57)	4-Chlorophenyl Phenyl Ethe	14.44	204	308168	4211.20	ng/ml	94
58)	Diethyl Phthalate	14.31	149	633290	3820.00	ng/ml	99
59)	4-Nitroaniline	14.53	138	170095	3762.17	ng/ml	98
60)	2-Methyl-4,6-dinitrophenol	14.57	198	238624	10220.83	ng/ml	95
61)	N-Nitrosodiphenylamine	14.65	169	394700	3829.28	ng/ml	100
62)	Azobenzene	14.71	77	727790	3729.65	ng/ml	98
65)	4-Bromophenyl Phenyl Ether	15.24	248	172912	4435.73	ng/ml	87
66)	Hexachlorobenzene	15.31	284	200404	4654.34	ng/ml	94
68)	Pentachlorophenol	15.67	266	183578	8957.57	ng/ml	100
69)	Phenanthrene	15.98	178	881964	4218.53	ng/ml	100
70)	Anthracene	16.08	178	892988	4276.05	ng/ml	100
71)	Carbazole	16.36	167	818261	4178.58	ng/ml	99
72)	Di-n-butyl Phthalate	16.98	149	1056727	4101.74	ng/ml	99
73)	Fluoranthene	17.93	202	919946	4416.68	ng/ml	99
75)	Benzidine	18.19	184	713873	7010.97	ng/ml	99
76)	Pyrene	18.30	202	953333	4058.63	ng/ml	100
78)	Butyl Benzyl Phthalate	19.43	149	452221	3679.71	ng/ml	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F009.D Vial: 9
Acq On : 12 Apr 2005 4:04 pm Operator: DHaderly
Sample : 8270LL @ 4.0/8.0ppm | SVM19-15J | KWG050 Inst : MS10
Misc : SVM\W0505864\9-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:13 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

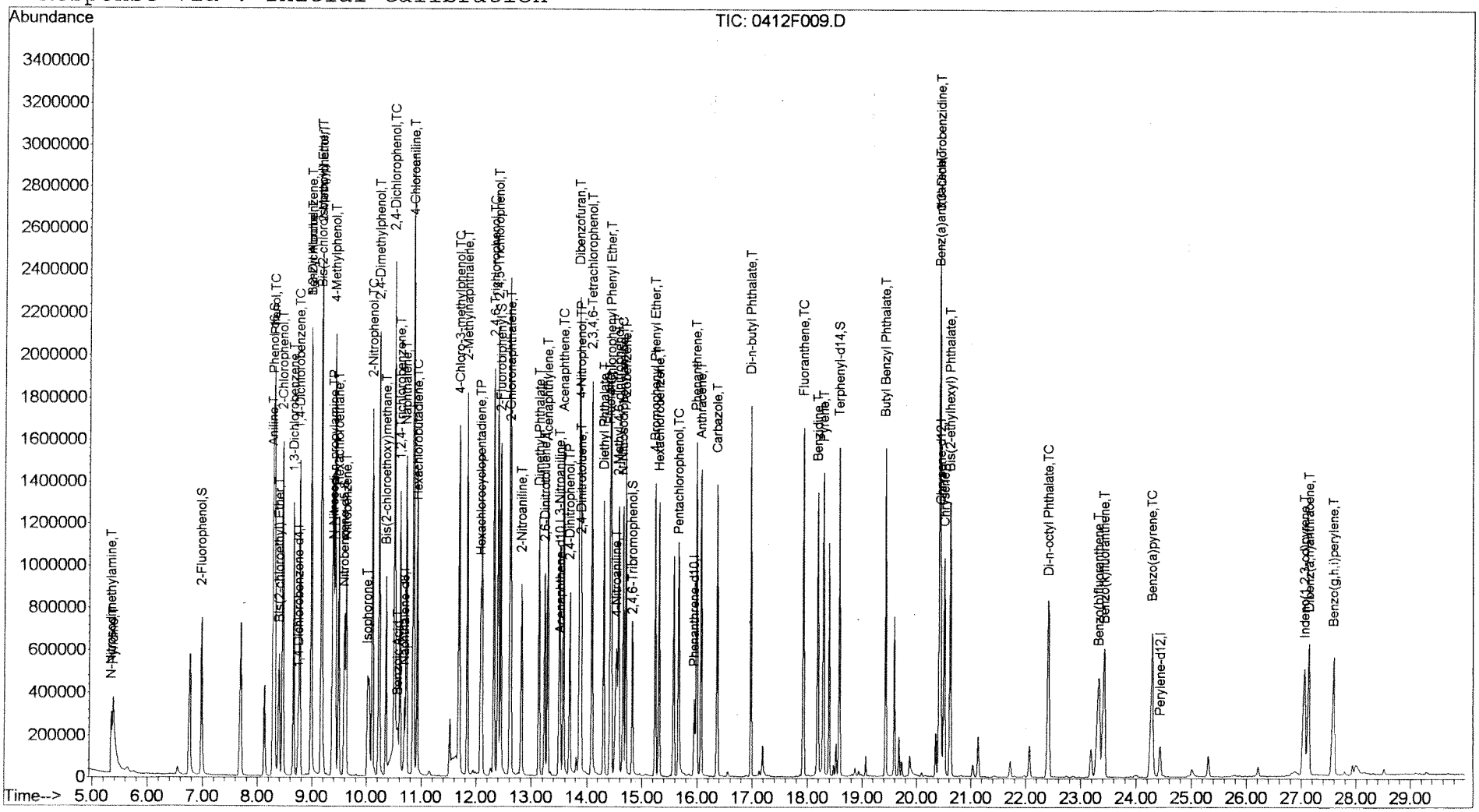
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
79)	3,3'-Dichlorobenzidine	20.43	252	559886	8234.71	ng/ml	99
80)	Benz(a)anthracene	20.42	228	792361	4221.05	ng/ml	99
81)	Chrysene	20.52	228	690334	3907.84	ng/ml	99
82)	Bis(2-ethylhexyl) Phthalat	20.62	149	571302	3572.82	ng/ml	98
84)	Di-n-octyl Phthalate	22.42	149	920763	3676.68	ng/ml	95
85)	Benzo(b)fluoranthene	23.33	252	628031	3986.73	ng/ml	99
86)	Benzo(k)fluoranthene	23.43	252	651067	4237.22	ng/ml	100
87)	Benzo(a)pyrene	24.29	252	626169	4253.74	ng/ml	99
88)	Indeno(1,2,3-cd)pyrene	27.06	276	534607	4363.17	ng/ml	100
89)	Dibenz(a,h)anthracene	27.15	278	528032	4464.98	ng/ml	99
90)	Benzo(g,h,i)perylene	27.60	276	539081	4403.56	ng/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F009.D Vial: 9
Acq On : 12 Apr 2005 4:04 pm Operator: DHaderly
Sample : 8270LL @ 4.0/8.0ppm | SVM19-15J | KWG050 Inst : MS10
Misc : SVM\W0505864\9-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:18 2005 Quant Results File: 0412BNLL.RES

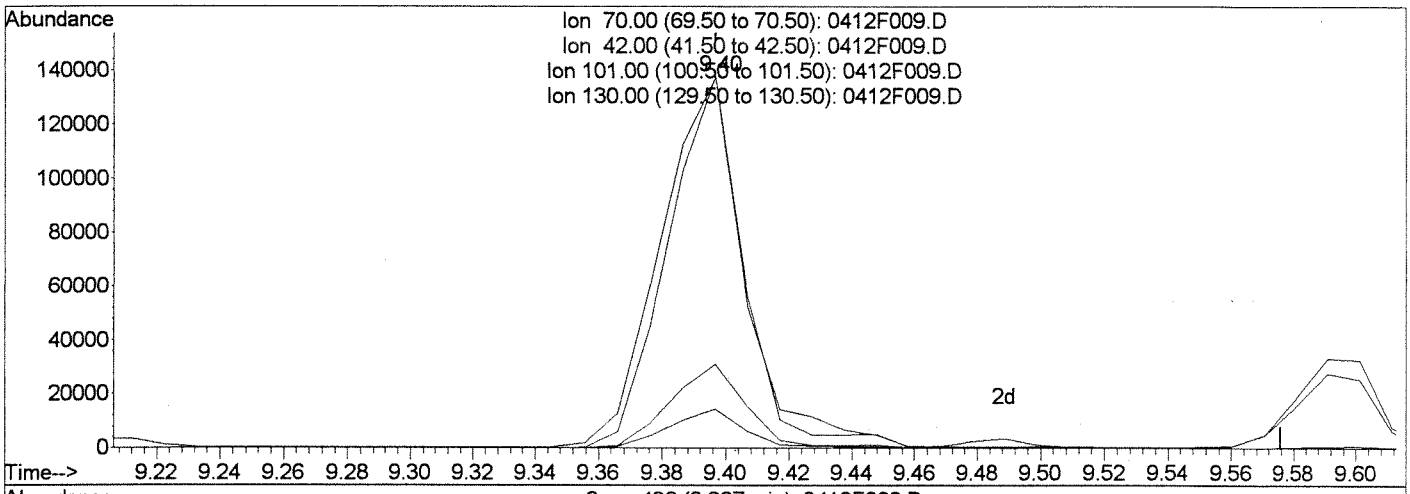
Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 06:36:18 2005
Response via : Initial Calibration

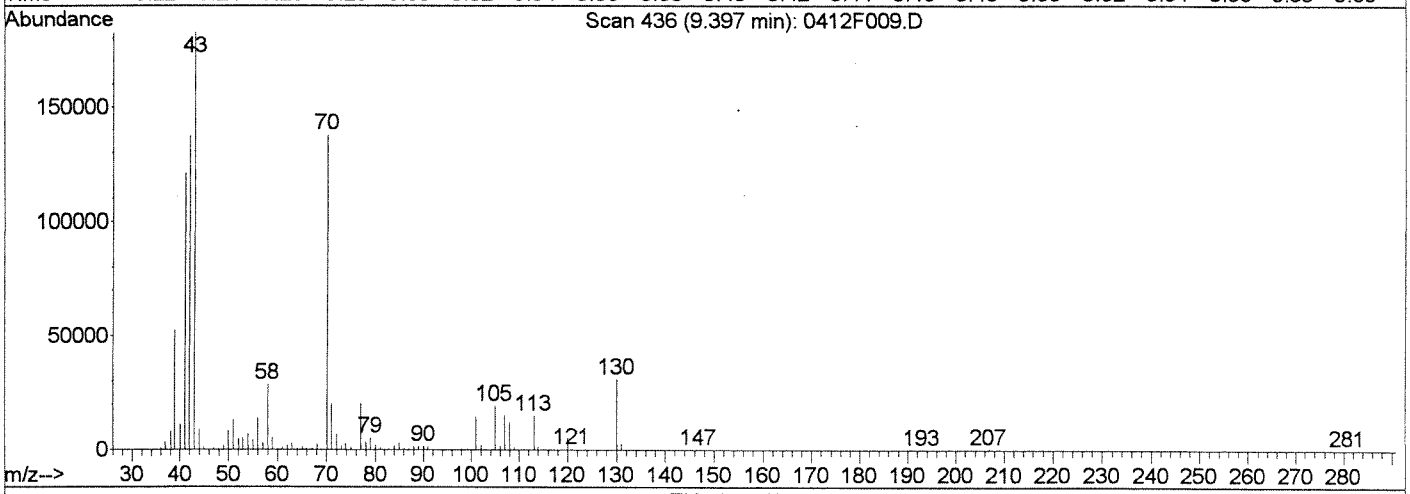


Quantitation Report (Qedit)

Data File : J:\MS10\DATA\041205\0412F009.D Vial: 9
Acq On : 12 Apr 2005 4:04 pm Operator: DHaderly
Sample : 8270LL @ 4.0/8.0ppm | SVM19-15J | KWG050 Inst : MS10
Misc : SVM\W0505864\9-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 5:59 2005 Quant Results File: temp.res

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Multiple Level Calibration





TIC: 0412F009.D

(19) N-Nitrosodi-n-propylamine (TP)

9.40min 3830.83ng/ml

response 230066

Ion	Exp%	Act%
70.00	100	100
42.00	102.20	99.51
101.00	10.10	10.41
130.00	22.20	22.47

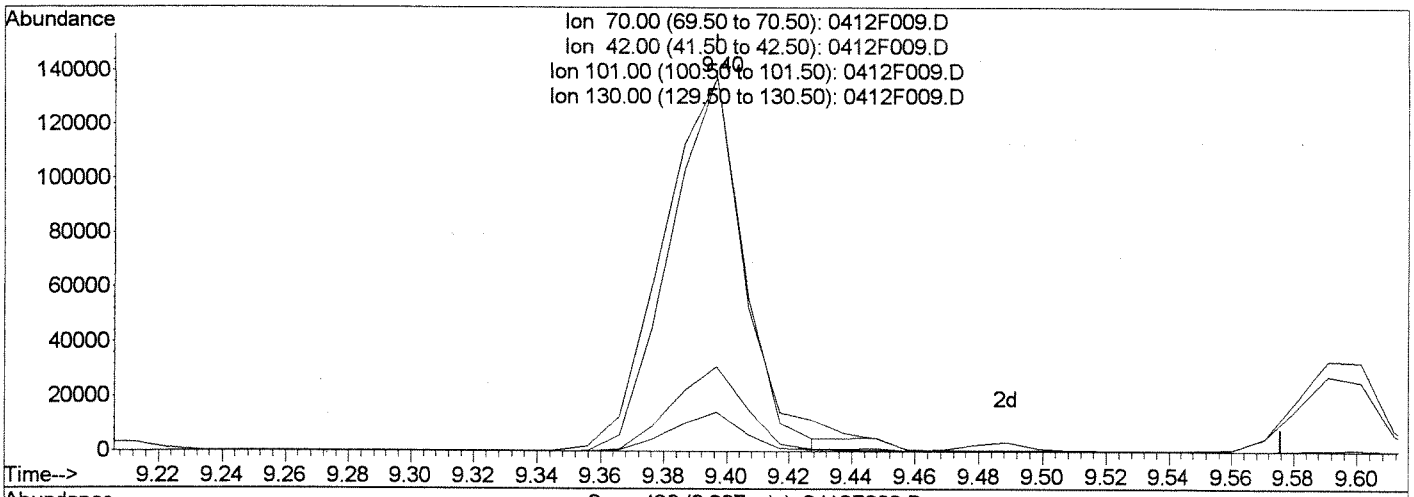
4/14/05

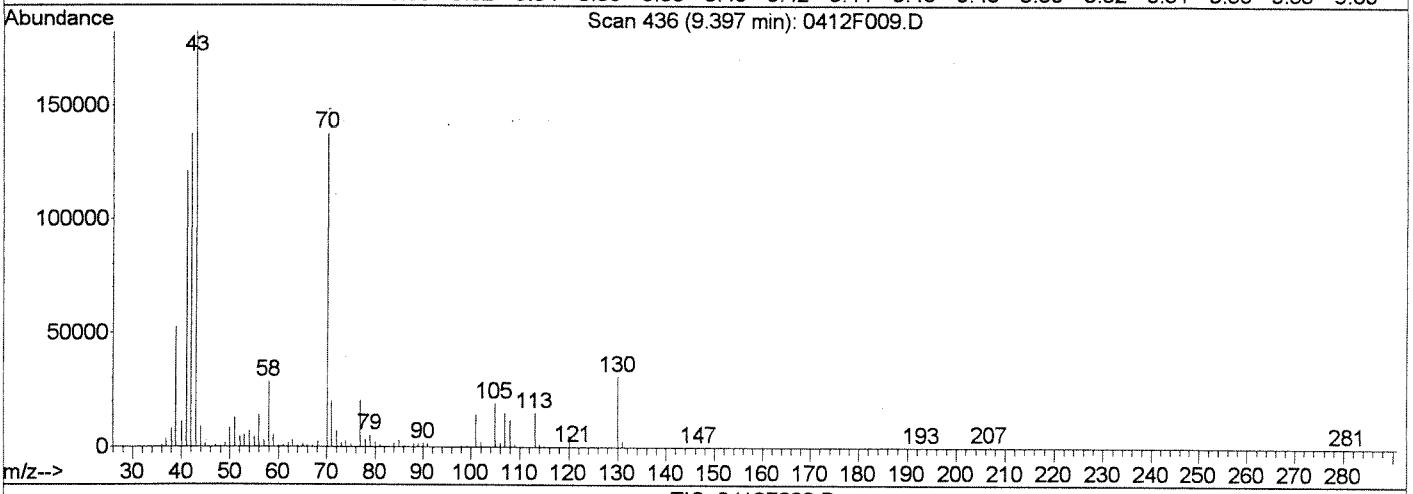
0412F009.D 0412BNLL.M Wed Apr 13 06:09:27 2005

Quantitation Report (Qedit)

Data File : J:\MS10\DATA\041205\0412F009.D Vial: 9
Acq On : 12 Apr 2005 4:04 pm Operator: DHaderly
Sample : 8270LL @ 4.0/8.0ppm | SVM19-15J | KWG050 Inst : MS10
Misc : SVM\W0505864\9-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:09 2005 Quant Results File: temp.res

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Multiple Level Calibration





TIC: 0412F009.D

(19) N-Nitrosodi-n-propylamine (TP)

9.40min 3718.93ng/ml m

response 223346

Ion	Exp%	Act%
70.00	100	100
42.00	102.20	99.67
101.00	10.10	10.41
130.00	22.20	22.47

Poor Integration

4/14/05

0412F009.D 0412BNLL.M Wed Apr 13 06:09:33 2005

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F010.D Vial: 10
Acq On : 12 Apr 2005 4:43 pm Operator: DHaderly
Sample : 8270LL @ 5.0/10.0ppm | SVM19-15K | KWG05 Inst : MS10
Misc : SVM\W0505864\10-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:14 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.75	152	64561	1000.00 ng/ml	0.01
23) Naphthalene-d8	10.70	136	214885	1000.00 ng/ml	0.01
37) Acenaphthene-d10	13.52	164	114868	1000.00 ng/ml	0.00
63) Phenanthrene-d10	15.94	188	182840	1000.00 ng/ml	0.00
74) Chrysene-d12	20.45	240	155371	1000.00 ng/ml	0.02
83) Perylene-d12	24.43	264	111910	1000.00 ng/ml	0.01
System Monitoring Compounds					
4) 2-Fluorophenol	6.98	112	367854	4750.02 ng/ml	0.01
Spiked Amount 3750.000	Range 38 - 110		Recovery = 126.67%#		
7) Phenol-d6	8.30	99	438745	4872.48 ng/ml	0.02
Spiked Amount 3750.000	Range 43 - 128		Recovery = 129.93%#		
21) Nitrobenzene-d5	9.60	82	441273	5011.20 ng/ml	0.02
Spiked Amount 2500.000	Range 30 - 139		Recovery = 200.45%#		
42) 2-Fluorobiphenyl	12.45	172	762660	5434.66 ng/ml	0.01
Spiked Amount 2500.000	Range 37 - 126		Recovery = 217.39%#		
64) 2,4,6-Tribromophenol	14.83	330	129699	6381.34 ng/ml	0.01
Spiked Amount 3750.000	Range 38 - 157		Recovery = 170.17%#		
77) Terphenyl-d14	18.58	244	718393	5067.21 ng/ml	0.00
Spiked Amount 2500.000	Range 54 - 158		Recovery = 202.69%#		
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	5.35	42	351835	5398.64 ng/ml	98
3) Pyridine	5.38	79	381099	3951.26 ng/ml	93
6) Bis(2-chloroethyl) Ether	8.40	93	372601	4637.59 ng/ml	96
8) Phenol	8.32	94	824174	9151.60 ng/ml	95
9) Aniline	8.29	93	559476	4720.59 ng/ml	94
10) 2-Chlorophenol	8.47	128	718766	10007.47 ng/ml	98
11) 1,3-Dichlorobenzene	8.67	146	454904	5163.59 ng/ml	99
12) 1,4-Dichlorobenzene	8.77	146	461650	5046.67 ng/ml	97
13) 1,2-Dichlorobenzene	8.99	146	433286	5329.71 ng/ml	98
14) Benzyl Alcohol	9.00	108	254043	5047.53 ng/ml	99
15) Bis(2-chloroisopropyl) Eth	9.17	45	613011	4201.86 ng/ml	83
16) 2-Methylphenol	9.18	107	527761	9834.01 ng/ml	95
18) Hexachloroethane	9.49	117	210209	5234.30 ng/ml	90
19) N-Nitrosodi-n-propylamine	9.41	70	264833m	4475.23 ng/ml	
20) 4-Methylphenol	9.44	107	769557	9707.50 ng/ml	99
22) Nitrobenzene	9.63	77	455140	4928.52 ng/ml	97
24) Isophorone	10.06	82	685845	4925.75 ng/ml	100
25) 2-Nitrophenol	10.12	139	445733	11069.07 ng/ml	92
26) 2,4-Dimethylphenol	10.25	122	571932	10209.58 ng/ml	99
27) Bis(2-chloroethoxy)methane	10.37	93	454943	4777.19 ng/ml	98

(#) = qualifier out of range (m) = manual integration
0412F010.D 0412BNLL.M Wed Apr 13 08:35:19 2005 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F010.D Vial: 10
Acq On : 12 Apr 2005 4:43 pm Operator: DHaderly
Sample : 8270LL @ 5.0/10.0ppm | SVM19-15K | KWG05 Inst : MS10
Misc : SVM\W0505864\10-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:14 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
28)	2,4-Dichlorophenol	10.52	162	650909	10968.68 ng/ml	98
29)	Benzoic Acid	10.60	122	330143	11748.63 ng/ml	97
30)	1,2,4-Trichlorobenzene	10.61	180	406407	5508.79 ng/ml	98
31)	Naphthalene	10.74	128	1089401	5266.83 ng/ml	99
32)	4-Chloroaniline	10.86	127	489454	5192.35 ng/ml	95
33)	Hexachlorobutadiene	10.93	225	275585	6286.10 ng/ml	99
35)	4-Chloro-3-methylphenol	11.71	107	633896	10352.36 ng/ml	97
36)	2-Methylnaphthalene	11.84	141	631863	5398.56 ng/ml	99
39)	Hexachlorocyclopentadiene	12.09	237	218771	6804.22 ng/ml	99
40)	2,4,6-Trichlorophenol	12.33	196	482069	11546.03 ng/ml	97
41)	2,4,5-Trichlorophenol	12.41	196	503841	11020.82 ng/ml	99
44)	2-Chloronaphthalene	12.63	127	318307	5465.28 ng/ml	99
45)	2-Nitroaniline	12.83	65	290043	5146.24 ng/ml	89
46)	Acenaphthylene	13.29	152	1063303	5170.76 ng/ml	99
47)	Dimethyl Phthalate	13.14	163	852680	5246.96 ng/ml	99
48)	2,6-Dinitrotoluene	13.24	165	203624	5363.69 ng/ml	78
49)	Acenaphthene	13.58	154	609437	5048.69 ng/ml	98
50)	3-Nitroaniline	13.51	138	203804	4858.84 ng/ml	91
51)	2,4-Dinitrophenol	13.70	184	223067	10687.81 ng/ml	97
52)	Dibenzofuran	13.87	168	1019746	5174.25 ng/ml	90
53)	4-Nitrophenol	13.89	109	275705	12689.24 ng/ml#	60
54)	2,4-Dinitrotoluene	13.91	165	267574	5486.28 ng/ml	99
55)	2,3,4,6-Tetrachlorophenol	14.10	232	395918	12189.43 ng/ml	93
56)	Fluorene	14.43	166	745118	5169.86 ng/ml	99
57)	4-Chlorophenyl Phenyl Ethe	14.45	204	388421	5419.75 ng/ml	98
58)	Diethyl Phthalate	14.32	149	792121	4878.77 ng/ml	99
59)	4-Nitroaniline	14.55	138	210355	4750.71 ng/ml	97
60)	2-Methyl-4,6-dinitrophenol	14.58	198	312140	13651.48 ng/ml	99
61)	N-Nitrosodiphenylamine	14.66	169	514478	5096.54 ng/ml	100
62)	Azobenzene	14.71	77	969721	5074.19 ng/ml	99
65)	4-Bromophenyl Phenyl Ether	15.25	248	226883	5796.03 ng/ml	99
66)	Hexachlorobenzene	15.32	284	250765	5799.72 ng/ml	79
68)	Pentachlorophenol	15.67	266	244410	11956.95 ng/ml	99
69)	Phenanthrene	15.99	178	1108318	5279.14 ng/ml	100
70)	Anthracene	16.08	178	1109981	5292.99 ng/ml	100
71)	Carbazole	16.37	167	997623	5073.32 ng/ml	100
72)	Di-n-butyl Phthalate	16.98	149	1290384	4987.84 ng/ml	100
73)	Fluoranthene	17.93	202	1149948	5497.94 ng/ml	99
75)	Benzidine	18.19	184	850876	7870.11 ng/ml	100
76)	Pyrene	18.30	202	1141191	4575.63 ng/ml	99
78)	Butyl Benzyl Phthalate	19.43	149	567667	4350.25 ng/ml	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F010.D Vial: 10
Acq On : 12 Apr 2005 4:43 pm Operator: DHaderly
Sample : 8270LL @ 5.0/10.0ppm | SVM19-15K | KWG05 Inst : MS10
Misc : SVM\W0505864\10-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:14 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

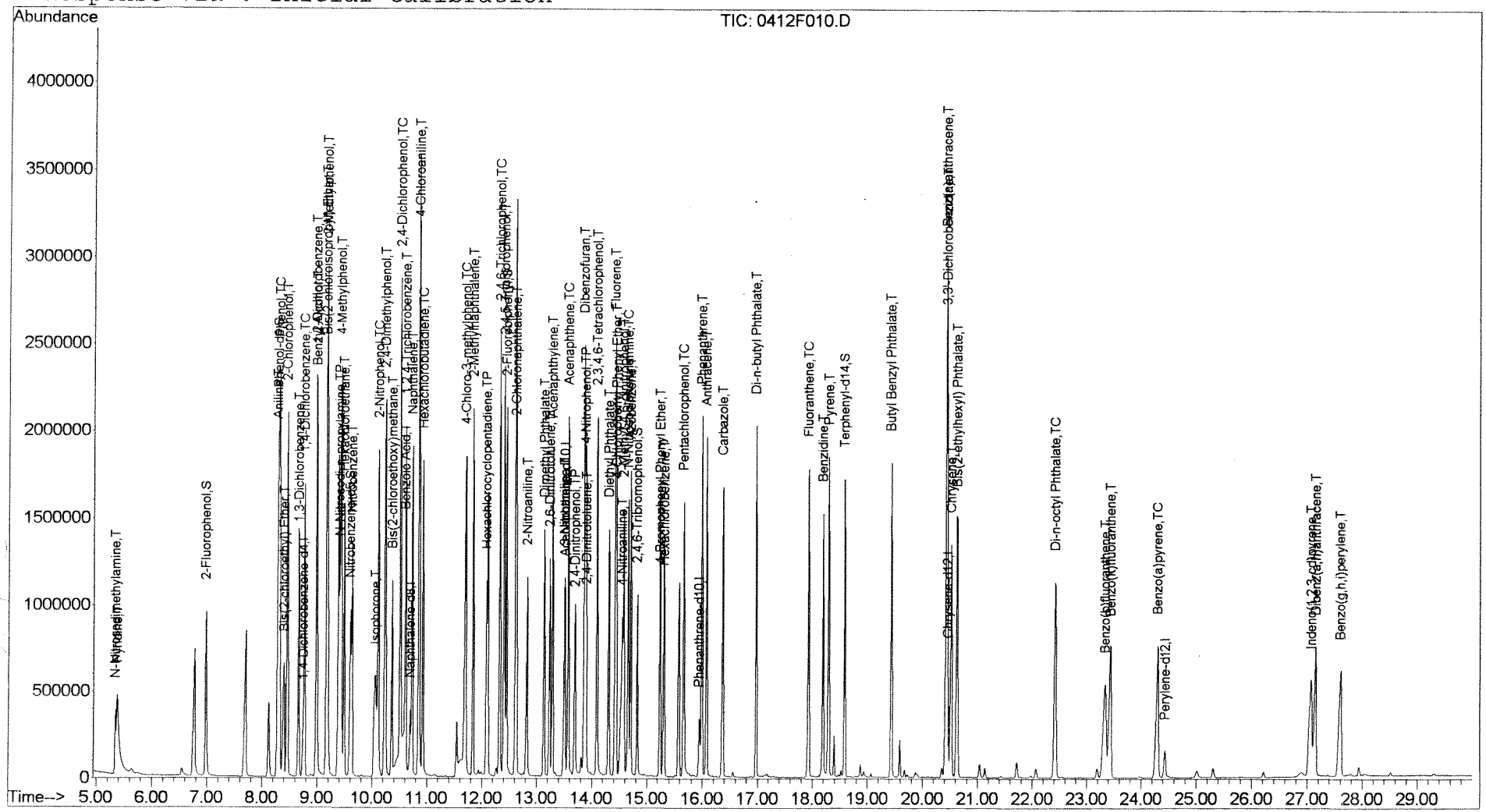
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
79)	3,3'-Dichlorobenzidine	20.44	252	723126	10016.59	ng/ml	99
80)	Benz(a)anthracene	20.43	228	1015189	5093.33	ng/ml	99
81)	Chrysene	20.52	228	882551	4705.16	ng/ml	99
82)	Bis(2-ethylhexyl) Phthalat	20.63	149	735995	4334.89	ng/ml	99
84)	Di-n-octyl Phthalate	22.42	149	1196271	4718.08	ng/ml	97
85)	Benzo(b)fluoranthene	23.34	252	814947	5109.66	ng/ml	99
86)	Benzo(k)fluoranthene	23.44	252	839399	5395.74	ng/ml	100
87)	Benzo(a)pyrene	24.30	252	798590	5358.34	ng/ml	99
88)	Indeno(1,2,3-cd)pyrene	27.07	276	683406	5509.01	ng/ml	99
89)	Dibenz(a,h)anthracene	27.16	278	683518	5708.69	ng/ml	99
90)	Benzo(g,h,i)perylene	27.61	276	674342	5440.73	ng/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F010.D Vial: 10
Acq On : 12 Apr 2005 4:43 pm Operator: DHaderly
Sample : 8270LL @ 5.0/10.0ppm | SVM19-15K | KWG05 Inst : MS10
Misc : SVM\W0505864\10-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:18 2005 Quant Results File: 0412BNLL.RES

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 06:36:18 2005
Response via : Initial Calibration



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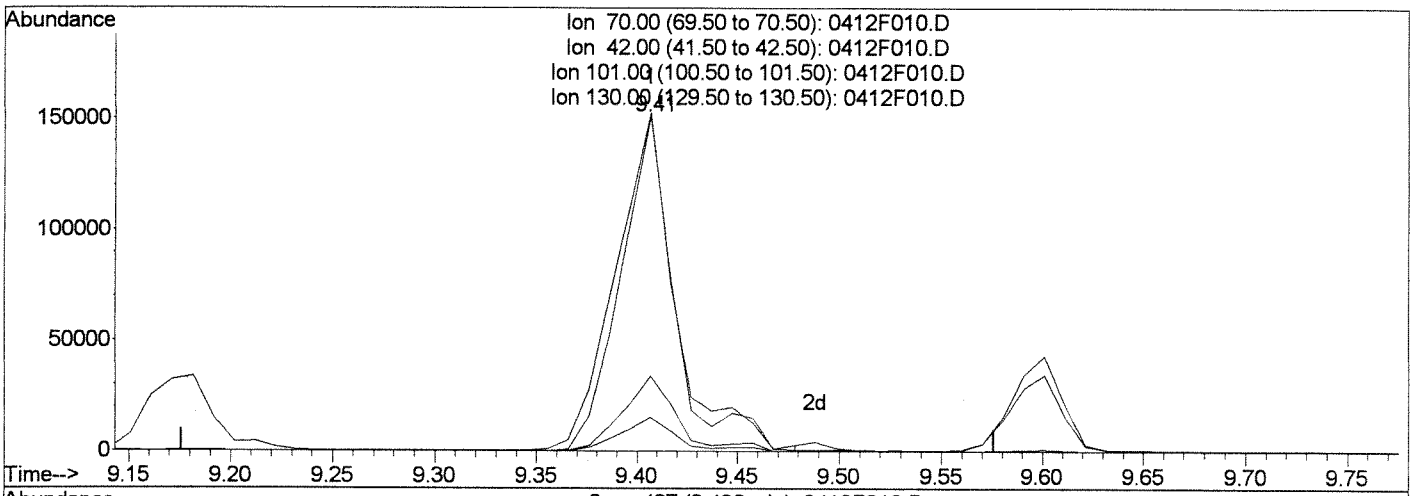
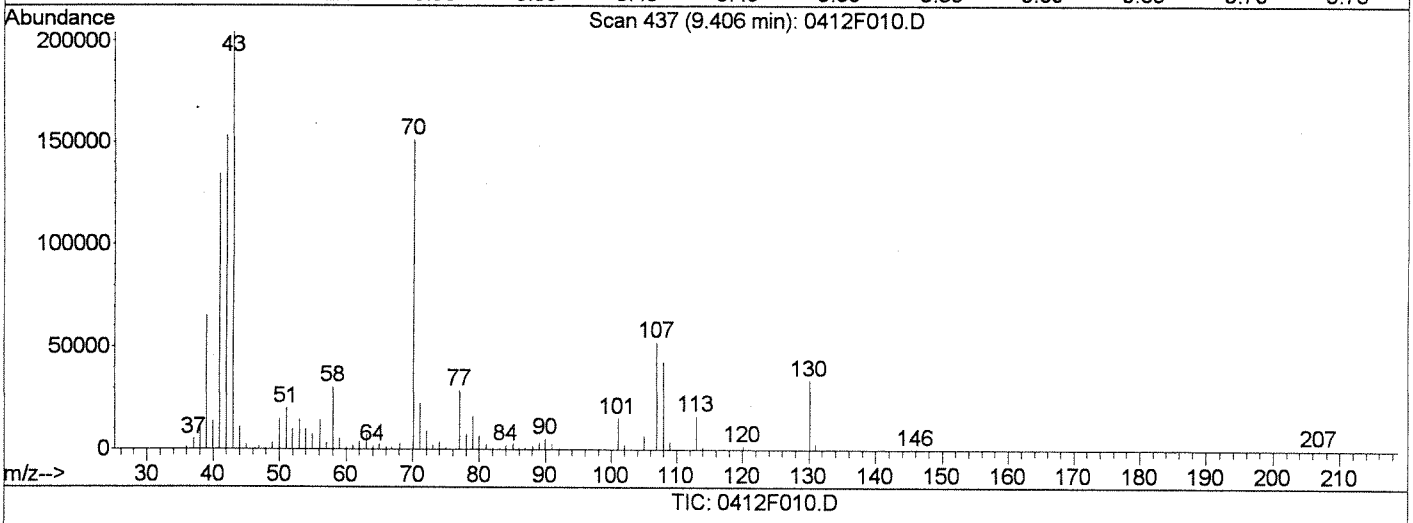
Quantitation Report (Qedit)

Data File : J:\MS10\DATA\041205\0412F010.D Vial: 10
Acq On : 12 Apr 2005 4:43 pm Operator: DHaderly
Sample : 8270LL @ 5.0/10.0ppm | SVM19-15K | KWG05 Inst : MS10
Misc : SVM\W0505864\10-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 5:59 2005 Quant Results File: temp.res

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Multiple Level Calibration





TIC: 0412F010.D

(19) N-Nitrosodi-n-propylamine (TP)

9.41min 4849.85ng/ml

response 287002

Ion	Exp%	Act%
70.00	100	100
42.00	102.20	100.94
101.00	10.10	10.17
130.00	22.20	22.41

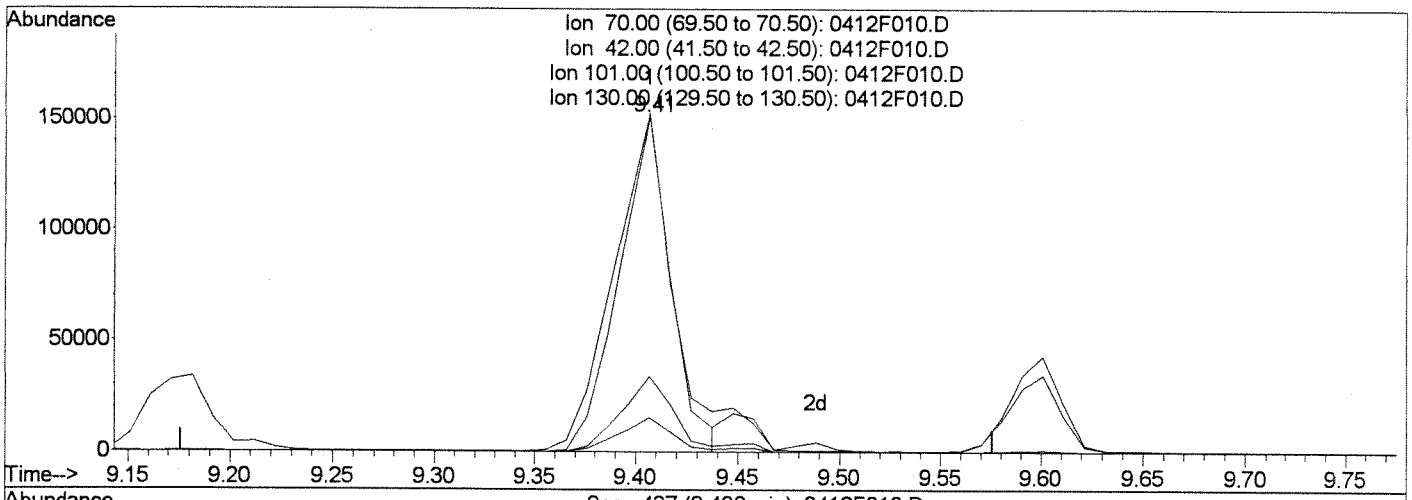
4/14/05

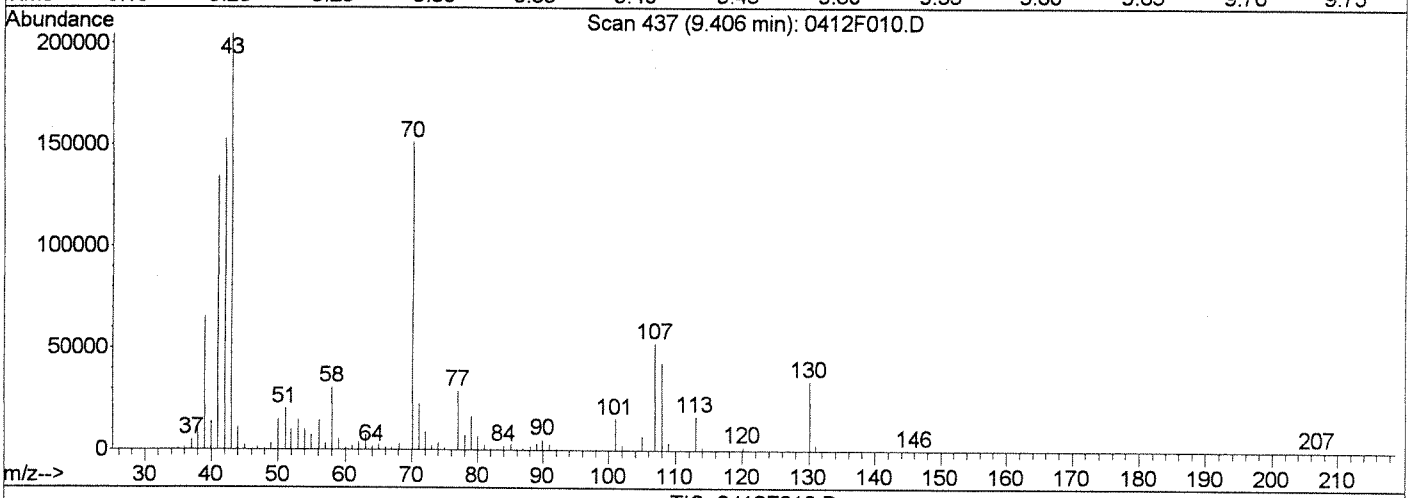
0412F010.D 0412BNLL.M Wed Apr 13 06:09:09 2005

Quantitation Report (Qedit)

Data File : J:\MS10\DATA\041205\0412F010.D Vial: 10
Acq On : 12 Apr 2005 4:43 pm Operator: DHaderly
Sample : 8270LL @ 5.0/10.0ppm | SVM19-15K | KWG05 Inst : MS10
Misc : SVM\W0505864\10-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:09 2005 Quant Results File: temp.res

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Multiple Level Calibration





TIC: 0412F010.D

(19) N-Nitrosodi-n-propylamine (TP)

9.41min 4475.23ng/ml m

response 264833

Ion	Exp%	Act%
70.00	100	100
42.00	102.20	101.10
101.00	10.10	10.17
130.00	22.20	22.41

Poor Integration

0412F010.D 0412BNLL.M Wed Apr 13 06:09:13 2005

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F011.D Vial: 11
Acq On : 12 Apr 2005 5:23 pm Operator: DHaderly
Sample : 8270LL CLP @ 0.1ppm | SVM18-35D | KWG050 Inst : MS10
Misc : SVM\W0505864\11-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:15 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	77153	1000.00	ng/ml	0.00
23) Naphthalene-d8	10.69	136	266357	1000.00	ng/ml	0.00
37) Acenaphthene-d10	13.51	164	140326	1000.00	ng/ml	0.00
63) Phenanthrene-d10	15.93	188	217547	1000.00	ng/ml	0.00
74) Chrysene-d12	20.43	240	168165	1000.00	ng/ml	0.00
83) Perylene-d12	24.42	264	133522	1000.00	ng/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0d	0.00	ng/ml	
Spiked Amount 3750.000	Range 38 - 110		Recovery = 0.00%#			
7) Phenol-d6	0.00	99	0d	0.00	ng/ml	
Spiked Amount 3750.000	Range 43 - 128		Recovery = 0.00%#			
21) Nitrobenzene-d5	0.00	82	0d	0.00	ng/ml	
Spiked Amount 2500.000	Range 30 - 139		Recovery = 0.00%#			
42) 2-Fluorobiphenyl	0.00	172	0d	0.00	ng/ml	
Spiked Amount 2500.000	Range 37 - 126		Recovery = 0.00%#			
64) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 38 - 157		Recovery = 0.00%#			
77) Terphenyl-d14	0.00	244	0d	0.00	ng/ml	
Spiked Amount 2500.000	Range 54 - 158		Recovery = 0.00%#			

Target Compounds						Qvalue
5) Benzaldehyde	8.12	106	7106m	151.06	ng/ml	
17) Acetophenone	9.36	105	14197	111.05	ng/ml#	68
34) Caprolactam	11.36	55	5109	100.31	ng/ml	92
38) 1,2,4,5-Tetrachlorobenzene	12.10	216	10227	101.11	ng/ml	98
43) Biphenyl	12.59	154	20422	93.96	ng/ml	98
67) Atrazine	15.54	200	5383	99.97	ng/ml	96

4/14/05

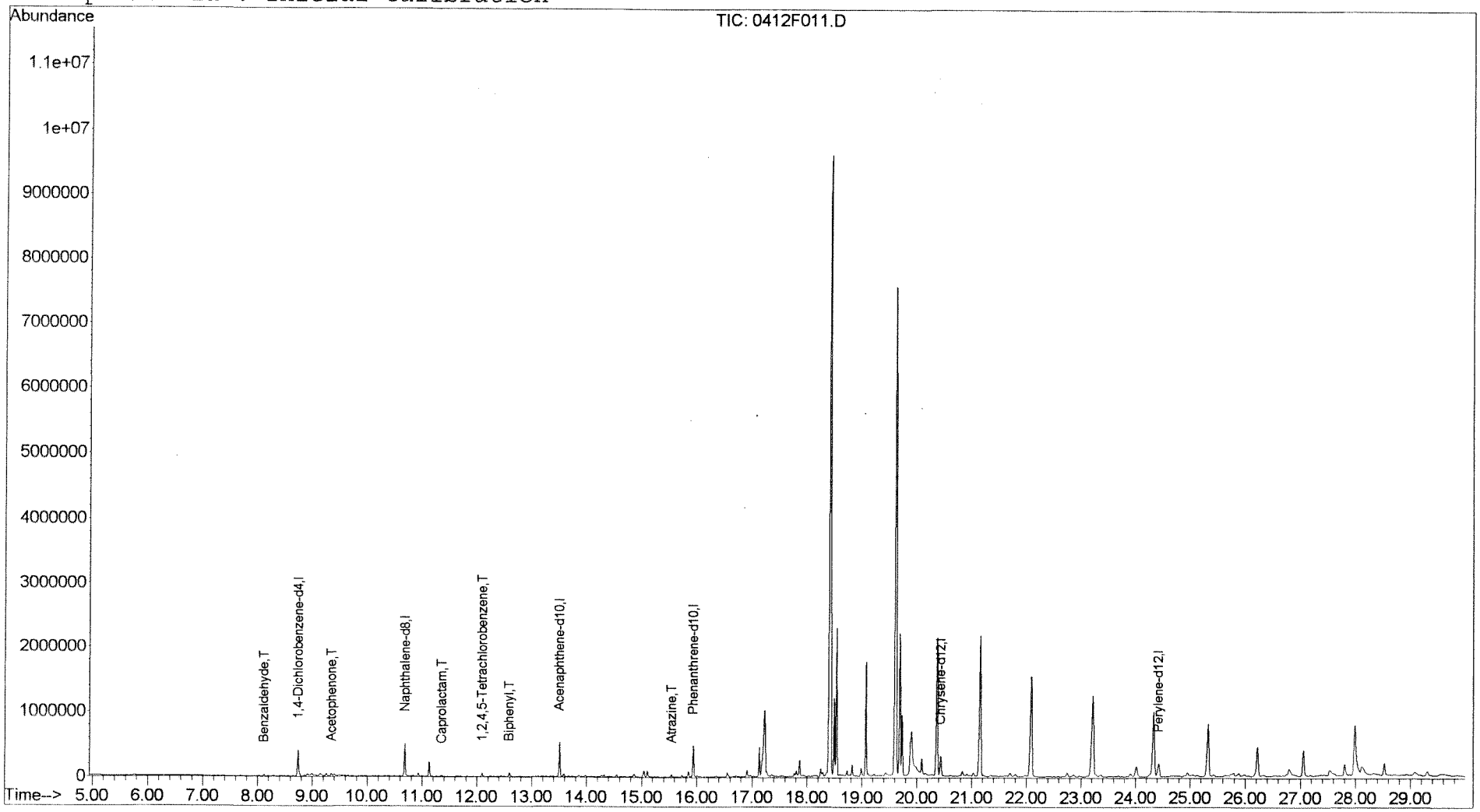
4/14/05

(#) = qualifier out of range (m) = manual integration
0412F011.D 0412BNLL.M Wed Apr 13 08:35:21 2005 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F011.D Vial: 11
Acq On : 12 Apr 2005 5:23 pm Operator: DHaderly
Sample : 8270LL CLP @ 0.1ppm | SVM18-35D | KWG050 Inst : MS10
Misc : SVM\W0505864\11-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:17 2005 Quant Results File: 0412BNLL.RES

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 06:36:18 2005
Response via : Initial Calibration

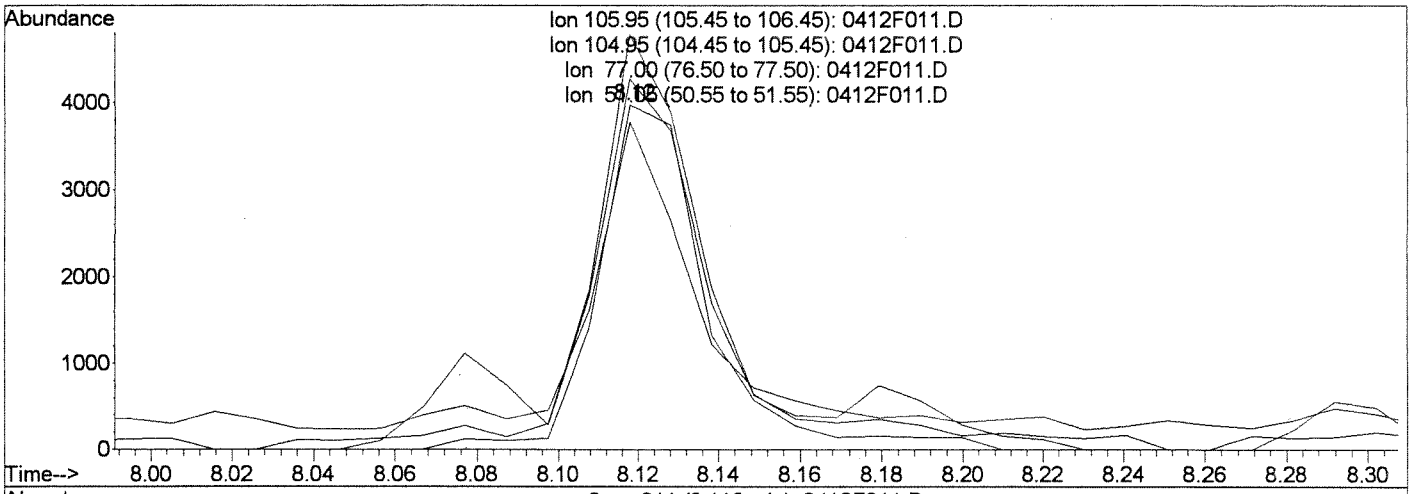


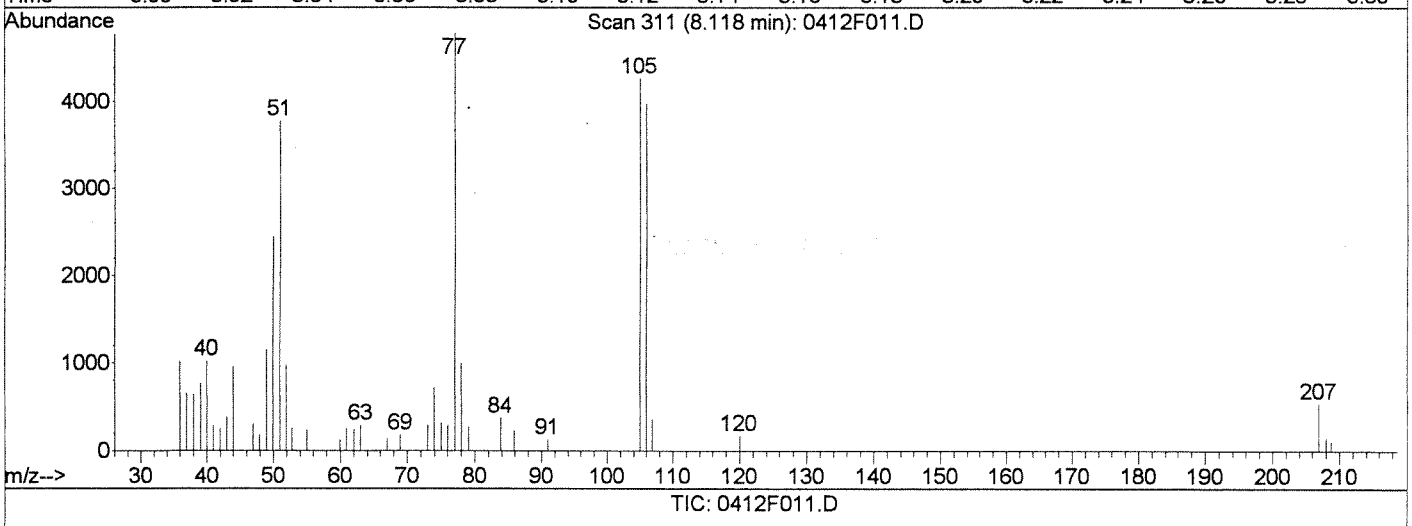
795

Quantitation Report (Qedit)

Data File : J:\MS10\DATA\041205\0412F011.D Vial: 11
Acq On : 12 Apr 2005 5:23 pm Operator: DHaderly
Sample : 8270LL CLP @ 0.1ppm | SVM18-35D | KWG050 Inst : MS10
Misc : SVM\W0505864\11-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 5:59 2005 Quant Results File: temp.res

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Multiple Level Calibration





TIC: 0412F011.D

(5) Benzaldehyde (T)

8.12min 159.65ng/ml

response 7510

Ion	Exp%	Act%
105.95	100	100
104.95	101.30	105.06
77.00	116.60	117.18
51.05	89.50	89.04

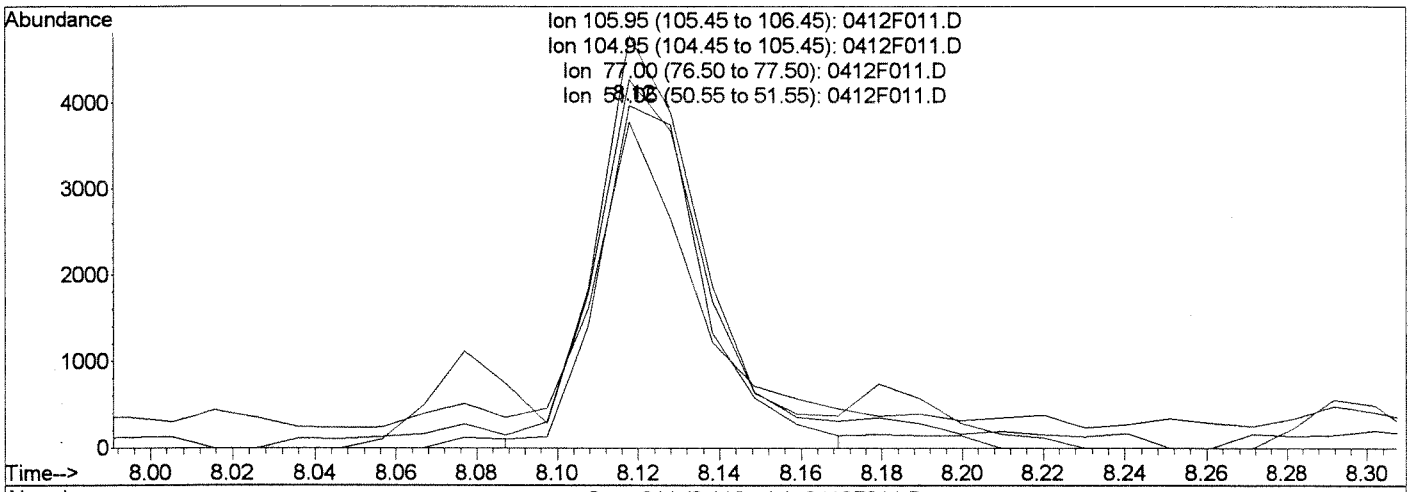
4/14/05

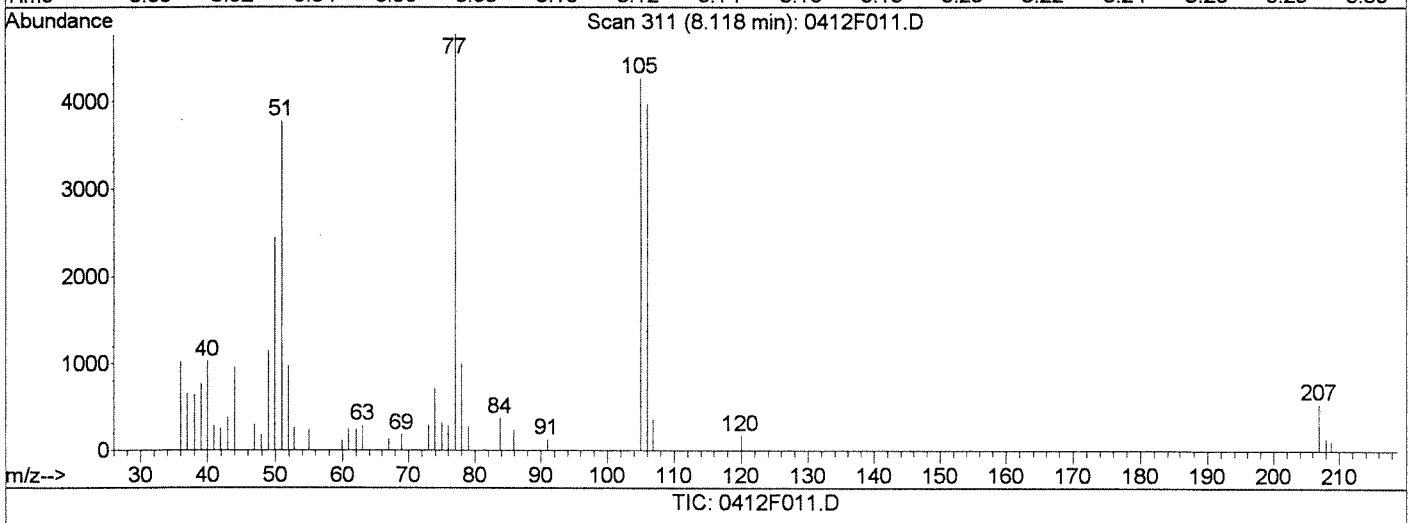
0412F011.D 0412BNLL.M Wed Apr 13 06:11:09 2005

Quantitation Report (Qedit)

Data File : J:\MS10\DATA\041205\0412F011.D Vial: 11
Acq On : 12 Apr 2005 5:23 pm Operator: DHaderly
Sample : 8270LL CLP @ 0.1ppm | SVM18-35D | KWG050 Inst : MS10
Misc : SVM\W0505864\11-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:11 2005 Quant Results File: temp.res

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Multiple Level Calibration





TIC: 0412F011.D

(5) Benzaldehyde (T)

8.12min 151.06ng/ml m

response 7106

Ion	Exp%	Act%
105.95	100	100
104.95	101.30	107.61
77.00	116.60	120.43
51.05	89.50	95.11

Poor Integration

4/14/15

0412F011.D 0412BNLL.M Wed Apr 13 06:11:14 2005

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F012.D Vial: 12
Acq On : 12 Apr 2005 6:02 pm Operator: DHaderly
Sample : 8270LL CLP @ 0.2ppm | SVM18-35E | KWG050 Inst : MS10
Misc : SVM\W0505864\12-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:16 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	76923	1000.00	ng/ml	0.00
23) Naphthalene-d8	10.68	136	255684	1000.00	ng/ml	0.00
37) Acenaphthene-d10	13.51	164	137548	1000.00	ng/ml	0.00
63) Phenanthrene-d10	15.94	188	214874	1000.00	ng/ml	0.00
74) Chrysene-d12	20.43	240	161982	1000.00	ng/ml	0.00
83) Perylene-d12	24.42	264	130607	1000.00	ng/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 38 - 110		Recovery = 0.00%#			
7) Phenol-d6	0.00	99	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 43 - 128		Recovery = 0.00%#			
21) Nitrobenzene-d5	0.00	82	0	0.00	ng/ml	
Spiked Amount 2500.000	Range 30 - 139		Recovery = 0.00%#			
42) 2-Fluorobiphenyl	0.00	172	0d	0.00	ng/ml	
Spiked Amount 2500.000	Range 37 - 126		Recovery = 0.00%#			
64) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 38 - 157		Recovery = 0.00%#			
77) Terphenyl-d14	0.00	244	0d	0.00	ng/ml	
Spiked Amount 2500.000	Range 54 - 158		Recovery = 0.00%#			

Target Compounds						Qvalue
5) Benzaldehyde	8.12	106	13260	282.72	ng/ml	95
17) Acetophenone	9.35	105	25562	200.54	ng/ml#	61
34) Caprolactam	11.36	55	9350	191.24	ng/ml	97
38) 1,2,4,5-Tetrachlorobenzene	12.10	216	19370	195.37	ng/ml	99
43) Biphenyl	12.59	154	37743	177.16	ng/ml	98
67) Atrazine	15.54	200	10312	193.89	ng/ml	89

4/14/05

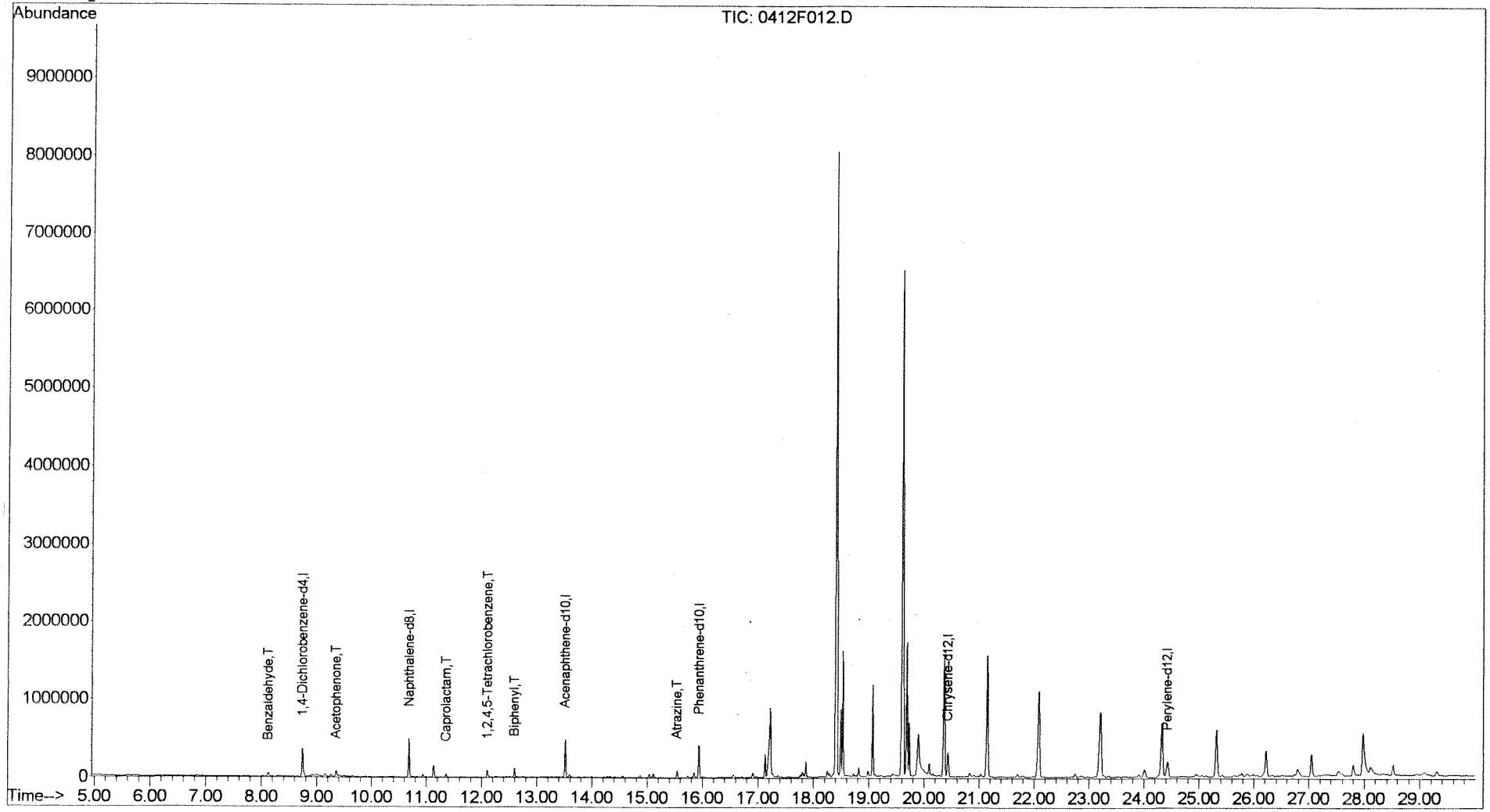
4/14/05

(#) = qualifier out of range (m) = manual integration
0412F012.D 0412BNLL.M Wed Apr 13 08:35:23 2005 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F012.D Vial: 12
Acq On : 12 Apr 2005 6:02 pm Operator: DHaderly
Sample : 8270LL CLP @ 0.2ppm | SVM18-35E | KWG050 Inst : MS10
Misc : SVM\W0505864\12-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:17 2005 Quant Results File: 0412BNLL.RES

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 06:36:18 2005
Response via : Initial Calibration



799

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F013.D Vial: 13
Acq On : 12 Apr 2005 6:41 pm Operator: DHaderly
Sample : 8270LL CLP @ 1.0ppm | SVM18-45G | KWG050 Inst : MS10
Misc : SVM\W0505864\13-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:16 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	84521	1000.00	ng/ml	0.00
23) Naphthalene-d8	10.69	136	282511	1000.00	ng/ml	0.00
37) Acenaphthene-d10	13.51	164	147620	1000.00	ng/ml	0.00
63) Phenanthrene-d10	15.93	188	230529	1000.00	ng/ml	0.00
74) Chrysene-d12	20.44	240	179283	1000.00	ng/ml	0.00
83) Perylene-d12	24.42	264	139297	1000.00	ng/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 38 - 110		Recovery = 0.00%#			
7) Phenol-d6	0.00	99	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 43 - 128		Recovery = 0.00%#			
21) Nitrobenzene-d5	0.00	82	0	0.00	ng/ml	
Spiked Amount 2500.000	Range 30 - 139		Recovery = 0.00%#			
42) 2-Fluorobiphenyl	0.00	172	0d	0.00	ng/ml	
Spiked Amount 2500.000	Range 37 - 126		Recovery = 0.00%#			
64) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 38 - 157		Recovery = 0.00%#			
77) Terphenyl-d14	0.00	244	0d	0.00	ng/ml	
Spiked Amount 2500.000	Range 54 - 158		Recovery = 0.00%#			

Target Compounds						Qvalue
5) Benzaldehyde	8.12	106	75652	1468.00	ng/ml	98
17) Acetophenone	9.35	105	134354	959.29	ng/ml#	62
34) Caprolactam	11.37	55	49684	919.73	ng/ml	98
38) 1,2,4,5-Tetrachlorobenzene	12.10	216	109306	1027.25	ng/ml	98
43) Biphenyl	12.60	154	218431	955.33	ng/ml	98
67) Atrazine	15.55	200	55352	970.08	ng/ml#	84

4/14/05

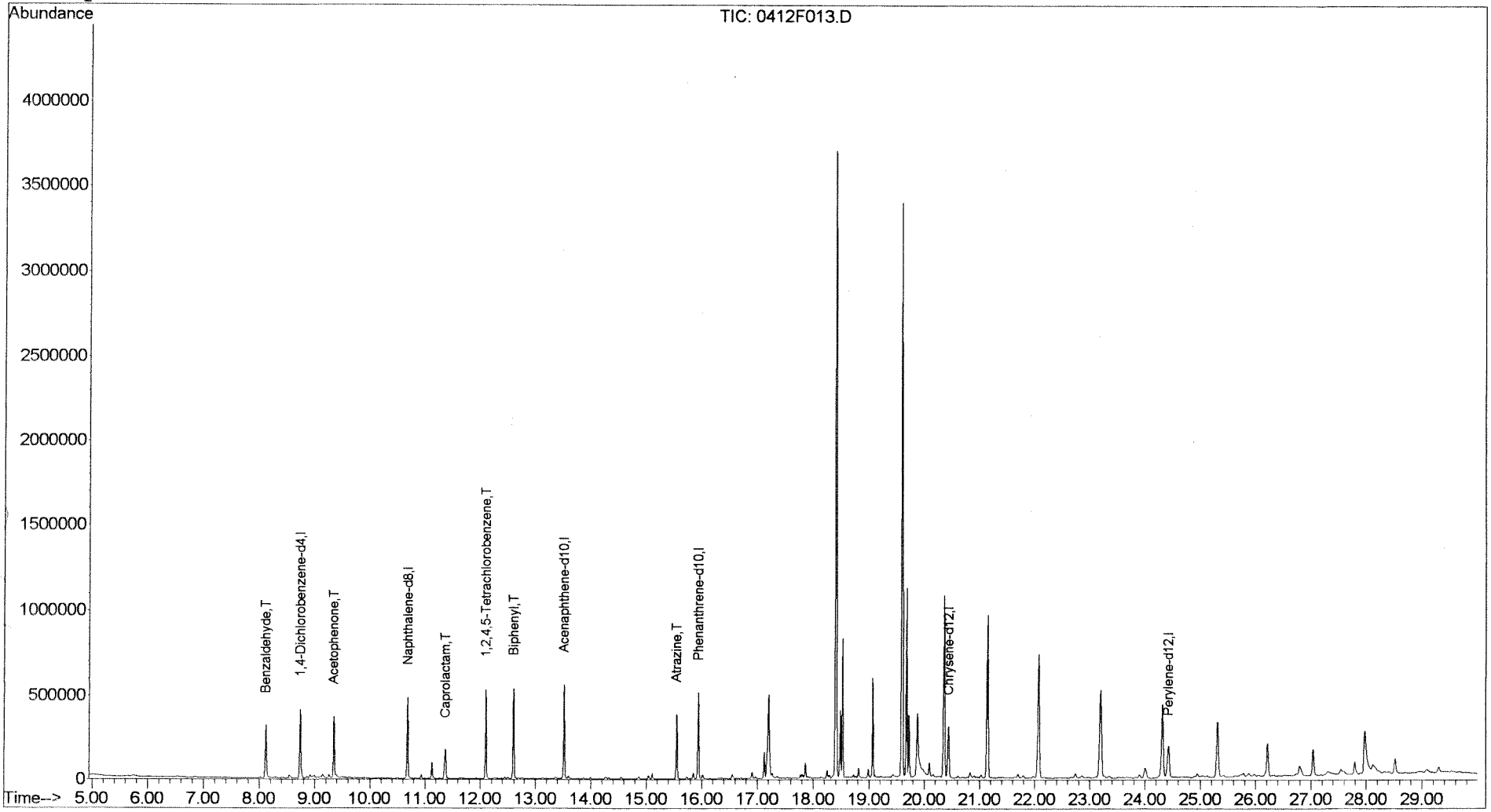
4/14/05

(#) = qualifier out of range (m) = manual integration
0412F013.D 0412BNLL.M Wed Apr 13 08:35:24 2005 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F013.D Vial: 13
Acq On : 12 Apr 2005 6:41 pm Operator: DHaderly
Sample : 8270LL CLP @ 1.0ppm | SVM18-45G | KWG050 Inst : MS10
Misc : SVM\W0505864\13-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:15 2005 Quant Results File: 0412BNLL.RES

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 06:36:18 2005
Response via : Initial Calibration



801

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F014.D Vial: 14
Acq On : 12 Apr 2005 7:20 pm Operator: DHaderly
Sample : 8270LL CLP @ 2.0ppm | SVM19-26A | KWG050 Inst : MS10
Misc : SVM\W0505864\14-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:17 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.75	152	62833	1000.00	ng/ml	0.00
23) Naphthalene-d8	10.68	136	210816	1000.00	ng/ml	0.00
37) Acenaphthene-d10	13.51	164	111671	1000.00	ng/ml	0.00
63) Phenanthrene-d10	15.94	188	177502	1000.00	ng/ml	0.00
74) Chrysene-d12	20.43	240	138905	1000.00	ng/ml	0.00
83) Perylene-d12	24.41	264	105935	1000.00	ng/ml	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 38 - 110		Recovery = 0.00%#			
7) Phenol-d6	0.00	99	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 43 - 128		Recovery = 0.00%#			
21) Nitrobenzene-d5	0.00	82	0	0.00	ng/ml	
Spiked Amount 2500.000	Range 30 - 139		Recovery = 0.00%#			
42) 2-Fluorobiphenyl	0.00	172	0	0.00	ng/ml	
Spiked Amount 2500.000	Range 37 - 126		Recovery = 0.00%#			
64) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 38 - 157		Recovery = 0.00%#			
77) Terphenyl-d14	0.00	244	0d	0.00	ng/ml	
Spiked Amount 2500.000	Range 54 - 158		Recovery = 0.00%#			

Target Compounds						Qvalue
5) Benzaldehyde	8.12	106	117199	3059.20	ng/ml	96
17) Acetophenone	9.35	105	197004	1892.13	ng/ml#	61
34) Caprolactam	11.39	55	77360	1919.07	ng/ml	93
38) 1,2,4,5-Tetrachlorobenzene	12.10	216	161265	2003.44	ng/ml	97
43) Biphenyl	12.59	154	329061	1902.48	ng/ml	99
67) Atrazine	15.55	200	86433	1967.33	ng/ml	87

4/14/05

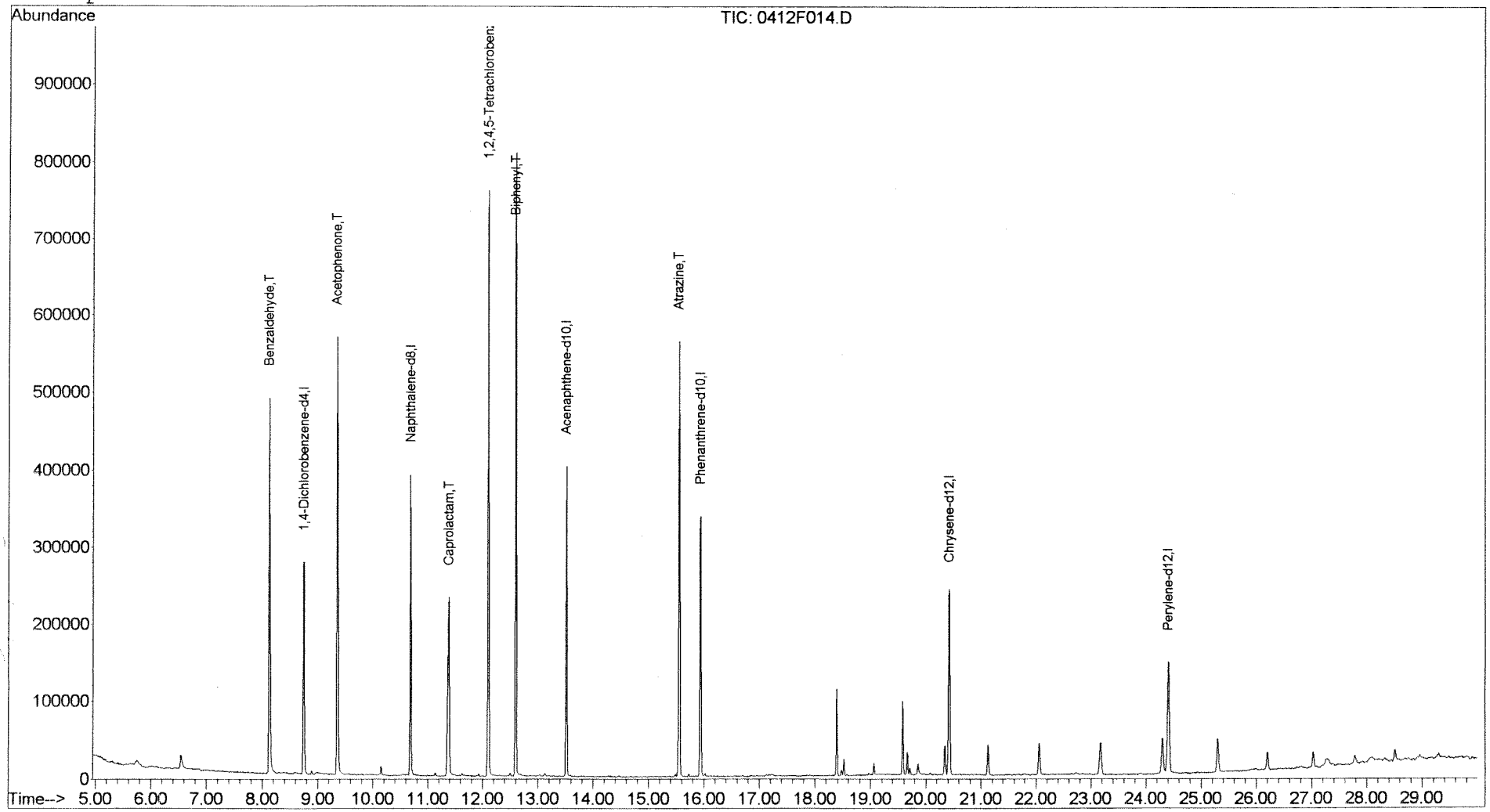
4/14/05

(#) = qualifier out of range (m) = manual integration
0412F014.D 0412BNLL.M Wed Apr 13 08:35:25 2005 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F014.D Vial: 14
Acq On : 12 Apr 2005 7:20 pm Operator: DHaderly
Sample : 8270LL CLP @ 2.0ppm | SVM19-26A | KWG050 Inst : MS10
Misc : SVM\W0505864\14-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:15 2005 Quant Results File: 0412BNLL.RES

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 06:36:18 2005
Response via : Initial Calibration



803

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F015.D Vial: 15
Acq On : 12 Apr 2005 8:00 pm Operator: DHaderly
Sample : 8270LL CLP @ 3.0ppm | SVM18-45I | KWG050 Inst : MS10
Misc : SVM\W0505864\15-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:18 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.75	152	76970	1000.00	ng/ml	0.00
23) Naphthalene-d8	10.68	136	249924	1000.00	ng/ml	0.00
37) Acenaphthene-d10	13.51	164	131809	1000.00	ng/ml	0.00
63) Phenanthrene-d10	15.94	188	213117	1000.00	ng/ml	0.00
74) Chrysene-d12	20.43	240	160731	1000.00	ng/ml	0.00
83) Perylene-d12	24.42	264	125158	1000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 38 - 110		Recovery =	0.00%#		
7) Phenol-d6	0.00	99	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 43 - 128		Recovery =	0.00%#		
21) Nitrobenzene-d5	0.00	82	0	0.00	ng/ml	
Spiked Amount 2500.000	Range 30 - 139		Recovery =	0.00%#		
42) 2-Fluorobiphenyl	0.00	172	0d	0.00	ng/ml	
Spiked Amount 2500.000	Range 37 - 126		Recovery =	0.00%#		
64) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 38 - 157		Recovery =	0.00%#		
77) Terphenyl-d14	0.00	244	0d	0.00	ng/ml	
Spiked Amount 2500.000	Range 54 - 158		Recovery =	0.00%#		
Target Compounds						Qvalue
5) Benzaldehyde	8.12	106	212239	4522.47	ng/ml	97
17) Acetophenone	9.36	105	369472	2896.83	ng/ml#	59
34) Caprolactam	11.40	55	145231	3038.99	ng/ml	96
38) 1,2,4,5-Tetrachlorobenzene	12.10	216	295016	3105.12	ng/ml	98
43) Biphenyl	12.60	154	588401	2882.12	ng/ml	98
67) Atrazine	15.56	200	152750	2895.78	ng/ml	86

4/14/05

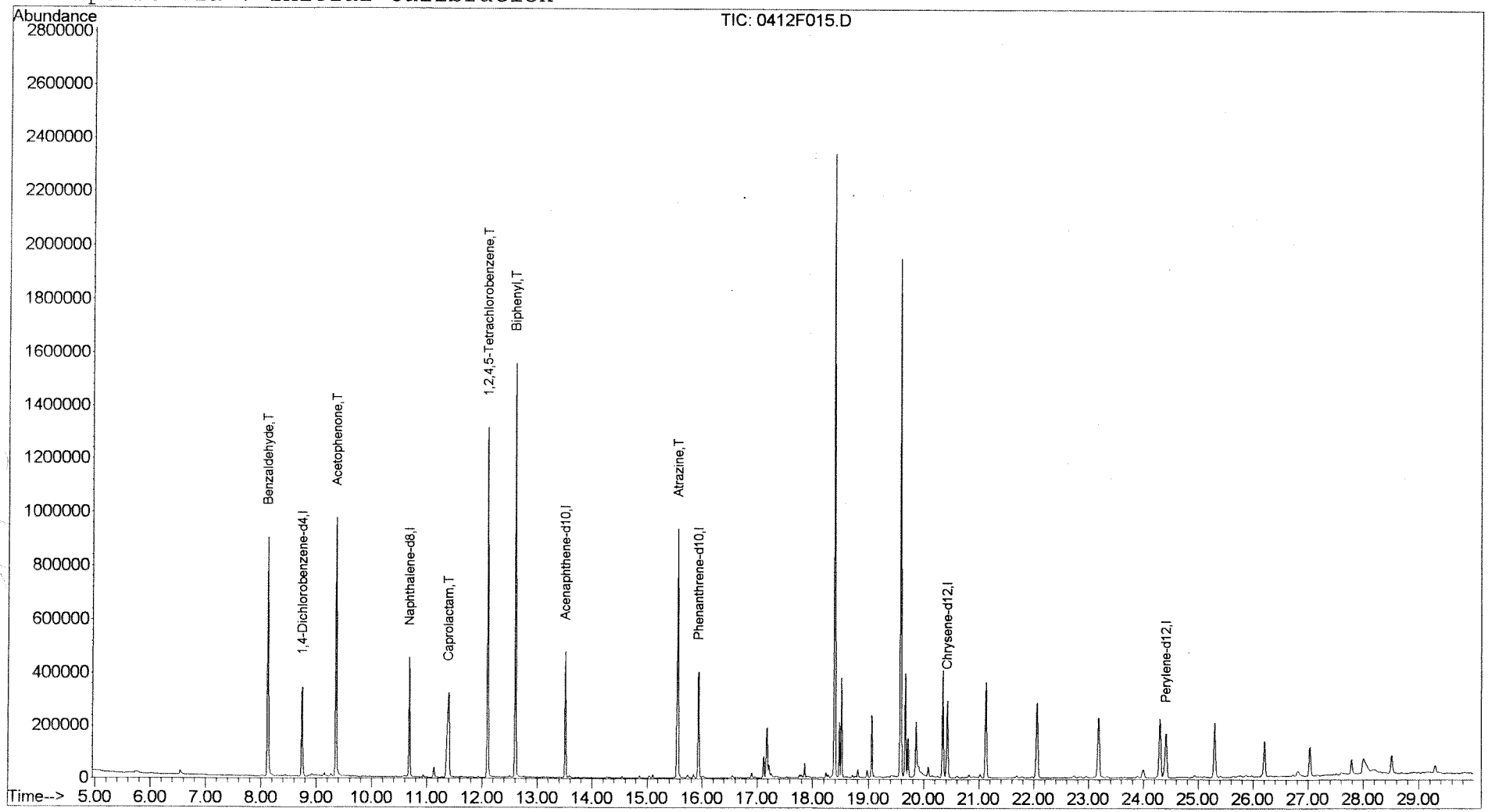
4/14/05

(#) = qualifier out of range (m) = manual integration
0412F015.D 0412BNLL.M Wed Apr 13 08:35:27 2005 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F015.D Vial: 15
Acq On : 12 Apr 2005 8:00 pm Operator: DHaderly
Sample : 8270LL CLP @ 3.0ppm | SVM18-45I | KWG050 Inst : MS10
Misc : SVM\W0505864\15-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:14 2005 Quant Results File: 0412BNLL.RES

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 06:36:18 2005
Response via : Initial Calibration



805

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F016.D Vial: 16
Acq On : 12 Apr 2005 8:39 pm Operator: DHaderly
Sample : 8270LL CLP @ 5.0ppm | SVM18-45J | KWG050 Inst : MS10
Misc : SVM\W0505864\16-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 05:59:18 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 05:58:48 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.75	152	77601	1000.00	ng/ml	0.00
23) Naphthalene-d8	10.68	136	247518	1000.00	ng/ml	0.00
37) Acenaphthene-d10	13.51	164	127466	1000.00	ng/ml	0.00
63) Phenanthrene-d10	15.94	188	209681	1000.00	ng/ml	0.00
74) Chrysene-d12	20.43	240	157522	1000.00	ng/ml	0.00
83) Perylene-d12	24.42	264	123411	1000.00	ng/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 38 - 110		Recovery = 0.00%#			
7) Phenol-d6	0.00	99	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 43 - 128		Recovery = 0.00%#			
21) Nitrobenzene-d5	0.00	82	0	0.00	ng/ml	
Spiked Amount 2500.000	Range 30 - 139		Recovery = 0.00%#			
42) 2-Fluorobiphenyl	0.00	172	0	0.00	ng/ml	
Spiked Amount 2500.000	Range 37 - 126		Recovery = 0.00%#			
64) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 38 - 157		Recovery = 0.00%#			
77) Terphenyl-d14	0.00	244	0d	0.00	ng/ml	
Spiked Amount 2500.000	Range 54 - 158		Recovery = 0.00%#			

Target Compounds						Qvalue
5) Benzaldehyde	8.13	106	360648	7622.33	ng/ml	93
17) Acetophenone	9.36	105	604523	4701.19	ng/ml#	60
34) Caprolactam	11.43	55	237873	5025.93	ng/ml	96
38) 1,2,4,5-Tetrachlorobenzene	12.11	216	488770	5319.70	ng/ml	99
43) Biphenyl	12.60	154	963062	4878.02	ng/ml	97
67) Atrazine	15.57	200	251775	4851.27	ng/ml	92

4/14/15

4/14/15

(#) = qualifier out of range (m) = manual integration
0412F016.D 0412BNLL.M Wed Apr 13 08:35:28 2005 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F016.D Vial: 16
Acq On : 12 Apr 2005 8:39 pm Operator: DHaderly
Sample : 8270LL CLP @ 5.0ppm | SVM18-45J | KWG050 Inst : MS10
Misc : SVM\W0505864\16-ICAL.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 6:13 2005 Quant Results File: 0412BNLL.RES

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 06:36:18 2005
Response via : Initial Calibration

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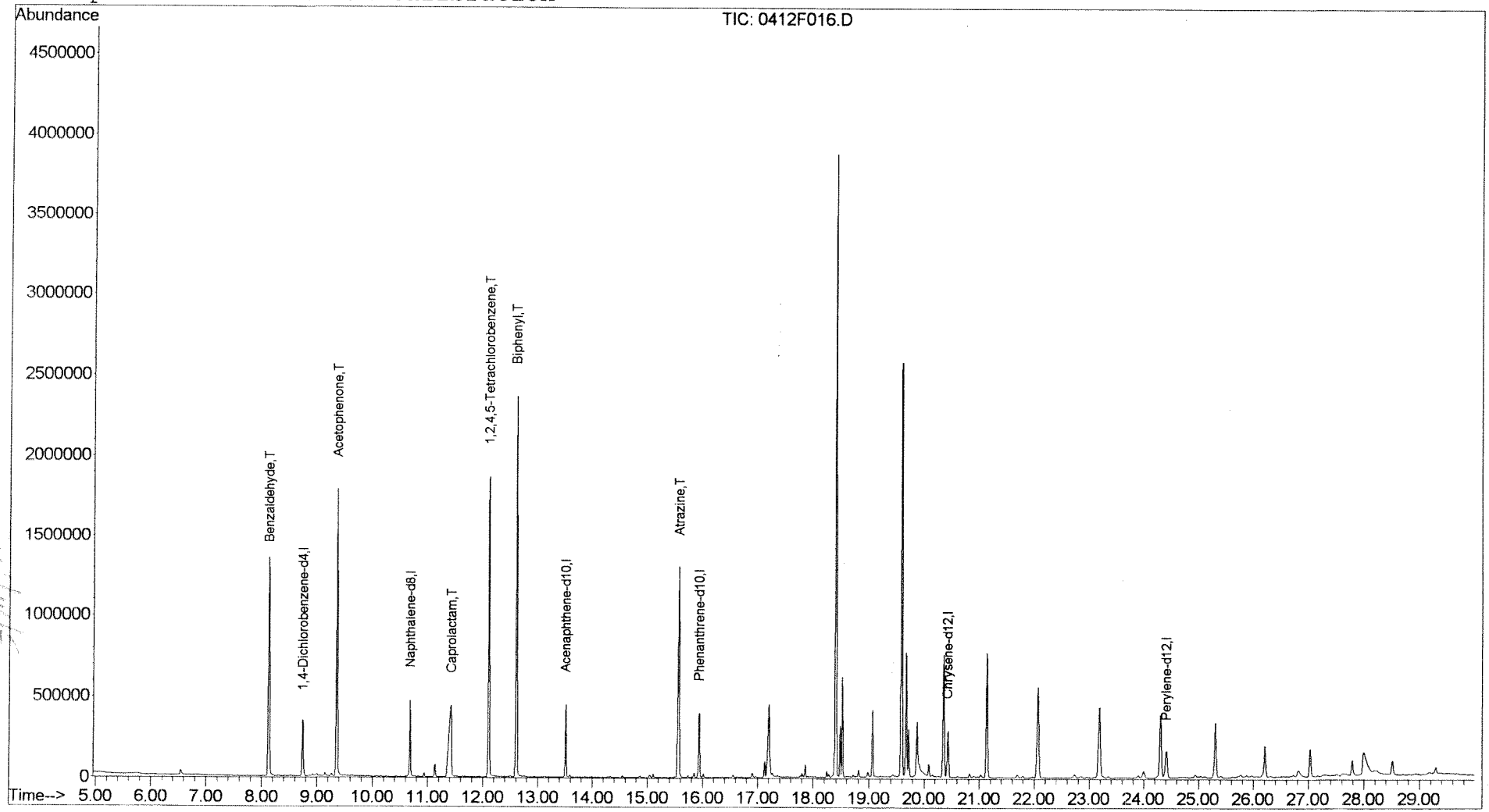

Quantitation Report (Not Reviewed)

Data File : J:\MS10\DATA\041205\0412F017.D Vial: 17
Acq On : 12 Apr 2005 9:18 pm Operator: DHaderly
Sample : 8270LL @ 3.0ppm | SVM19-29E | KWG0505864 Inst : MS10
Misc : SVM\W0505864\17-ICV.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 06:37:35 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 06:36:18 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	61727	1000.00	ng/ml	0.00
23) Naphthalene-d8	10.69	136	200387	1000.00	ng/ml	0.00
37) Acenaphthene-d10	13.51	164	107154	1000.00	ng/ml	0.00
63) Phenanthrene-d10	15.93	188	171181	1000.00	ng/ml	0.00
74) Chrysene-d12	20.43	240	140243	1000.00	ng/ml	0.00
83) Perylene-d12	24.41	264	104930	1000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	6.96	112	212889	3137.55	ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 110		Recovery = 83.67%			
7) Phenol-d6	8.27	99	253609	3090.02	ng/ml	0.00
Spiked Amount 3750.000	Range 43 - 128		Recovery = 82.40%			
21) Nitrobenzene-d5	9.58	82	256697	3107.19	ng/ml	0.00
Spiked Amount 2500.000	Range 30 - 139		Recovery = 124.29%			
42) 2-Fluorobiphenyl	12.45	172	436128	3134.53	ng/ml	0.00
Spiked Amount 2500.000	Range 37 - 126		Recovery = 125.38%			
64) 2,4,6-Tribromophenol	14.82	330	69182	3324.81	ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 157		Recovery = 88.66%			
77) Terphenyl-d14	18.58	244	399639	3090.45	ng/ml	0.00
Spiked Amount 2500.000	Range 54 - 158		Recovery = 123.62%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	5.34	42	187631	2900.78	ng/ml	98
3) Pyridine	5.37	79	212778	2937.60	ng/ml	96
6) Bis(2-chloroethyl) Ether	8.38	93	206684	2997.48	ng/ml	98
8) Phenol	8.29	94	288631	3465.38	ng/ml	82
9) Aniline	8.28	93	335143	3064.46	ng/ml	98
10) 2-Chlorophenol	8.46	128	225031	3288.34	ng/ml	100
11) 1,3-Dichlorobenzene	8.66	146	259318	3099.15	ng/ml	100
12) 1,4-Dichlorobenzene	8.77	146	266472	3055.92	ng/ml	99
13) 1,2-Dichlorobenzene	8.99	146	249405	3120.61	ng/ml	100
14) Benzyl Alcohol	8.98	108	142108	3017.39	ng/ml	98
15) Bis(2-chloroisopropyl) Eth	9.17	45	391419	3030.03	ng/ml#	58
16) 2-Methylphenol	9.16	107	173260	3322.23	ng/ml	94
18) Hexachloroethane	9.48	117	121280	3111.11	ng/ml	81
19) N-Nitrosodi-n-propylamine	9.38	70	170748	3054.44	ng/ml	100
20) 4-Methylphenol	9.41	107	249890	3300.20	ng/ml	98
22) Nitrobenzene	9.61	77	263100	3026.69	ng/ml	99
24) Isophorone	9.99	82	441028	3566.49	ng/ml	98
25) 2-Nitrophenol	10.10	139	136157	3445.03	ng/ml	94
26) 2,4-Dimethylphenol	10.22	122	174320	3266.79	ng/ml	98
27) Bis(2-chloroethoxy)methane	10.35	93	248353	3015.18	ng/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : J:\MS10\DATA\041205\0412F017.D Vial: 17
Acq On : 12 Apr 2005 9:18 pm Operator: DHaderly
Sample : 8270LL @ 3.0ppm | SVM19-29E | KWG0505864 Inst : MS10
Misc : SVM\W0505864\17-ICV.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 06:37:35 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 06:36:18 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
28)	2,4-Dichlorophenol	10.50	162	197684	3308.36	ng/ml	99
29)	Benzoic Acid	10.47	122	82085	3452.53	ng/ml	95
30)	1,2,4-Trichlorobenzene	10.60	180	232520	3095.75	ng/ml	99
31)	Naphthalene	10.73	128	619587	3161.26	ng/ml	99
32)	4-Chloroaniline	10.84	127	270851	2957.35	ng/ml	99
33)	Hexachlorobutadiene	10.92	225	152318	3099.21	ng/ml	99
35)	4-Chloro-3-methylphenol	11.66	107	196771	3431.47	ng/ml	97
36)	2-Methylnaphthalene	11.83	141	339763	2957.53	ng/ml	99
39)	Hexachlorocyclopentadiene	12.08	237	130628	3656.46	ng/ml	100
40)	2,4,6-Trichlorophenol	12.31	196	146231	3398.12	ng/ml	98
41)	2,4,5-Trichlorophenol	12.38	196	160016	3440.25	ng/ml	99
44)	2-Chloronaphthalene	12.62	127	155166	2758.47	ng/ml	100
45)	2-Nitroaniline	12.81	65	161765	3083.26	ng/ml	96
46)	Acenaphthylene	13.28	152	619174	3270.02	ng/ml	100
47)	Dimethyl Phthalate	13.13	163	472160	3087.86	ng/ml	99
48)	2,6-Dinitrotoluene	13.23	165	117928	3177.40	ng/ml	91
49)	Acenaphthene	13.57	154	347978	3121.27	ng/ml	99
50)	3-Nitroaniline	13.50	138	119533	3271.13	ng/ml	96
51)	2,4-Dinitrophenol	13.67	184	46240	3118.32	ng/ml	84
52)	Dibenzofuran	13.86	168	573945	3092.30	ng/ml	92
53)	4-Nitrophenol	13.86	109	73056	3448.86	ng/ml#	1
54)	2,4-Dinitrotoluene	13.89	165	155879	3365.17	ng/ml	97
55)	2,3,4,6-Tetrachlorophenol	14.08	232	111944	3539.44	ng/ml	93
56)	Fluorene	14.42	166	413028	3123.02	ng/ml	98
57)	4-Chlorophenyl Phenyl Ethe	14.44	204	219459	3158.17	ng/ml	97
58)	Diethyl Phthalate	14.30	149	448163	3110.83	ng/ml	99
59)	4-Nitroaniline	14.50	138	112570	3157.47	ng/ml	98
60)	2-Methyl-4,6-dinitrophenol	14.55	198	82106	3166.95	ng/ml	96
61)	N-Nitrosodiphenylamine	14.64	169	312340	3467.71	ng/ml	100
62)	Azobenzene	14.70	77	503218	3064.69	ng/ml	100
65)	4-Bromophenyl Phenyl Ether	15.24	248	120737	3033.17	ng/ml	99
66)	Hexachlorobenzene	15.31	284	139722	3137.81	ng/ml	81
68)	Pentachlorophenol	15.66	266	58908	3218.13	ng/ml	99
69)	Phenanthrene	15.98	178	588917	2955.25	ng/ml	100
70)	Anthracene	16.07	178	610172	3053.18	ng/ml	99
71)	Carbazole	16.35	167	545857	3002.73	ng/ml	99
72)	Di-n-butyl Phthalate	16.98	149	731742	3066.40	ng/ml	97
73)	Fluoranthene	17.92	202	619765	2975.35	ng/ml	99
75)	Benzidine	18.18	184	374366	3863.92	ng/ml	99
76)	Pyrene	18.29	202	648020	2976.62	ng/ml	99
78)	Butyl Benzyl Phthalate	19.42	149	309589	2963.90	ng/ml	98

(#) = qualifier out of range (m) = manual integration

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Quantitation Report (Not Reviewed)

Data File : J:\MS10\DATA\041205\0412F017.D Vial: 17
Acq On : 12 Apr 2005 9:18 pm Operator: DHaderly
Sample : 8270LL @ 3.0ppm | SVM19-29E | KWG0505864 Inst : MS10
Misc : SVM\W0505864\17-ICV.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 06:37:35 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 06:36:18 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
79)	3,3'-Dichlorobenzidine	20.41	252	228631	3437.82	ng/ml	99
80)	Benz(a)anthracene	20.41	228	573813	3142.13	ng/ml	99
81)	Chrysene	20.50	228	498718	3059.92	ng/ml	99
82)	Bis(2-ethylhexyl) Phthalat	20.62	149	412551	3052.87	ng/ml	99
84)	Di-n-octyl Phthalate	22.40	149	638703	2991.26	ng/ml	100
85)	Benzo(b)fluoranthene	23.31	252	463492	3121.90	ng/ml	99
86)	Benzo(k)fluoranthene	23.40	252	450090	3035.61	ng/ml	98
87)	Benzo(a)pyrene	24.27	252	431526	2995.64	ng/ml	99
88)	Indeno(1,2,3-cd)pyrene	27.04	276	376885	3080.59	ng/ml	99
89)	Dibenz(a,h)anthracene	27.12	278	369780	3091.10	ng/ml	98
90)	Benzo(g,h,i)perylene	27.57	276	379662	3059.44	ng/ml	98

4/14/05

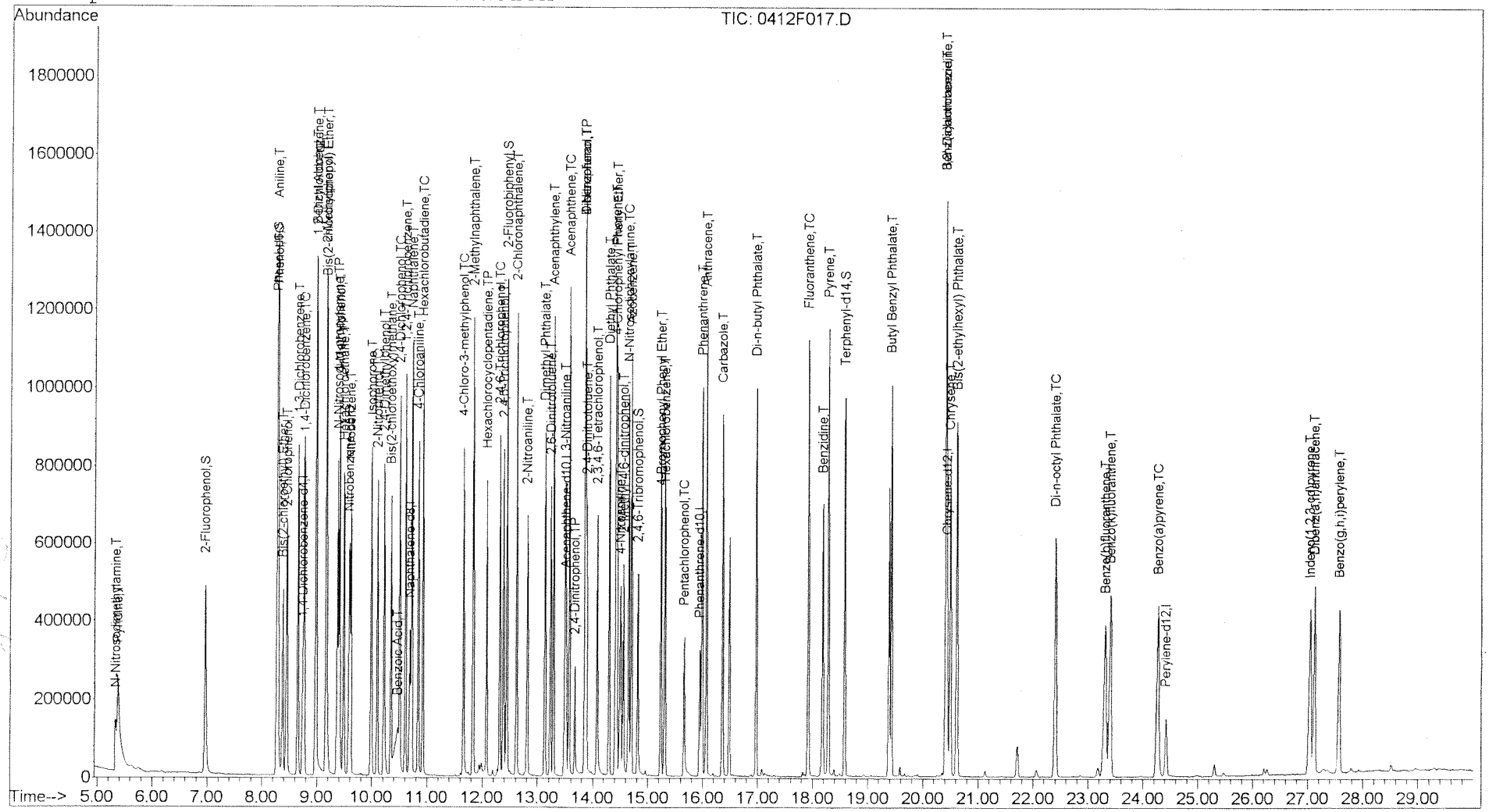
4/14/05

(#) = qualifier out of range (m) = manual integration
0412F017.D 0412BNLL.M Wed Apr 13 11:29:56 2005 Page 3

Quantitation Report (Not Reviewed)

Data File : J:\MS10\DATA\041205\0412F017.D Vial: 17
Acq On : 12 Apr 2005 9:18 pm Operator: DHaderly
Sample : 8270LL @ 3.0ppm | SVM19-29E | KWG0505864 Inst : MS10
Misc : SVM\W0505864\17-ICV.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 11:25 2005 Quant Results File: 0412BNLL.RES

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 06:36:18 2005
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F018.D Vial: 18
Acq On : 12 Apr 2005 9:57 pm Operator: DHaderly
Sample : 8270LL CLP @ 3.0ppm | SVM19-30A | KWG050 Inst : MS10
Misc : SVM\W0505864\18-ICV.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 06:38:13 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 06:36:18 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	60766	1000.00	ng/ml	0.00
23) Naphthalene-d8	10.68	136	194762	1000.00	ng/ml	0.00
37) Acenaphthene-d10	13.52	164	105246	1000.00	ng/ml	0.00
63) Phenanthrene-d10	15.93	188	166618	1000.00	ng/ml	-0.01
74) Chrysene-d12	20.42	240	135031	1000.00	ng/ml	-0.01
83) Perylene-d12	24.40	264	106004	1000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 38 - 110		Recovery =	0.00%#		
7) Phenol-d6	0.00	99	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 43 - 128		Recovery =	0.00%#		
21) Nitrobenzene-d5	0.00	82	0d	0.00	ng/ml	
Spiked Amount 2500.000	Range 30 - 139		Recovery =	0.00%#		
42) 2-Fluorobiphenyl	0.00	172	0	0.00	ng/ml	
Spiked Amount 2500.000	Range 37 - 126		Recovery =	0.00%#		
64) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 38 - 157		Recovery =	0.00%#		
77) Terphenyl-d14	0.00	244	0d	0.00	ng/ml	
Spiked Amount 2500.000	Range 54 - 158		Recovery =	0.00%#		
Target Compounds						Qvalue
5) Benzaldehyde	8.12	106	192691	3485.13	ng/ml	96
17) Acetophenone	9.35	105	347686	3497.02	ng/ml#	62
34) Caprolactam	11.40	55	130658	3594.20	ng/ml	96
38) 1,2,4,5-Tetrachlorobenzene	12.10	216	277314	3586.21	ng/ml	98
43) Biphenyl	12.60	154	570522	3704.68	ng/ml	98
67) Atrazine	15.56	200	137903	3424.71	ng/ml	96

4/14/05

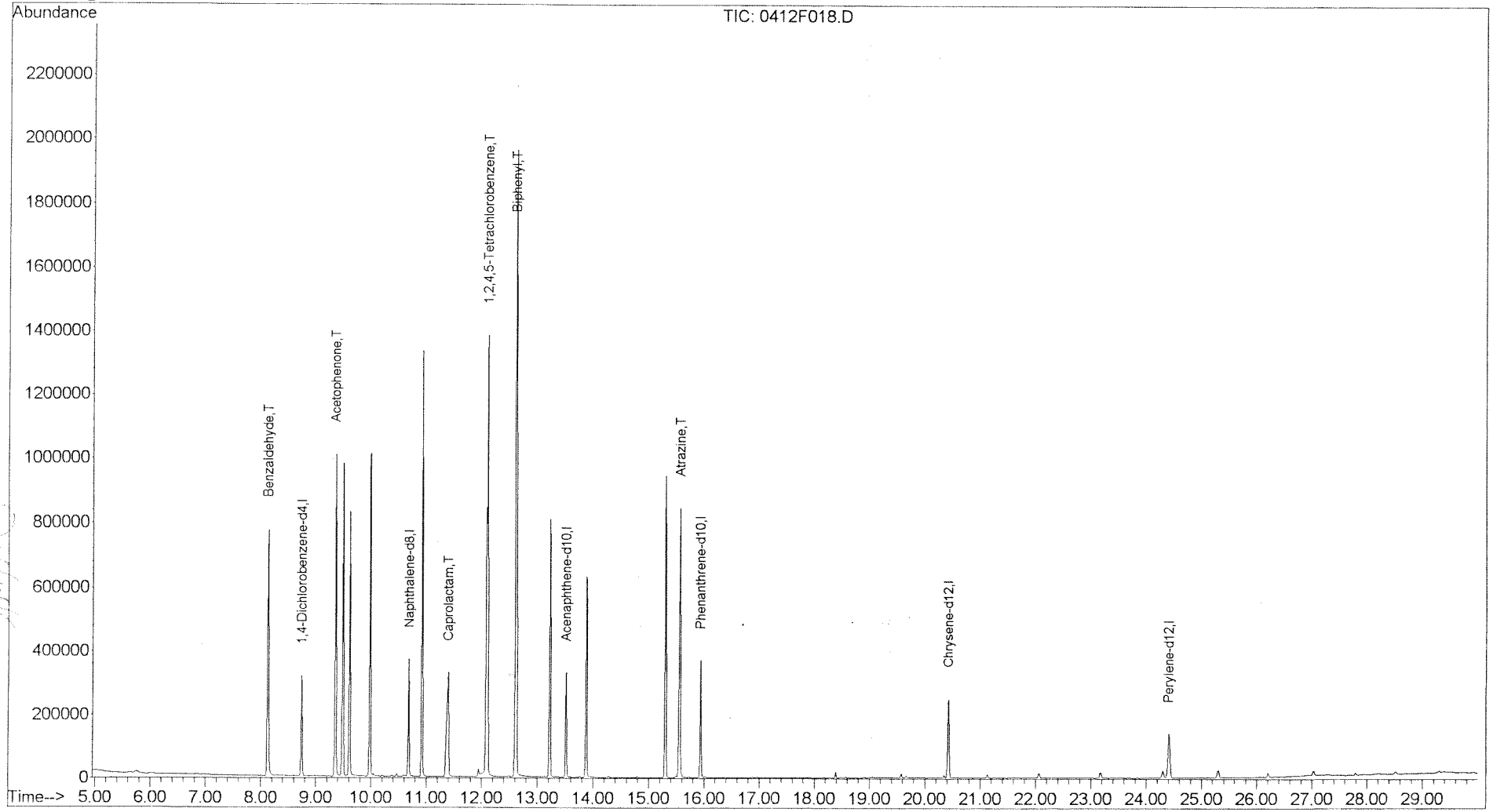
4/14/05

(#) = qualifier out of range (m) = manual integration
0412F018.D 0412BNLL.M Wed Apr 13 11:44:40 2005 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041205\0412F018.D Vial: 18
Acq On : 12 Apr 2005 9:57 pm Operator: DHaderly
Sample : 8270LL CLP @ 3.0ppm | SVM19-30A | KWG050 Inst : MS10
Misc : SVM\W0505864\18-ICV.H Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 13 11:44 2005 Quant Results File: 0412BNLL.RES

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Apr 13 06:36:18 2005
Response via : Initial Calibration



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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Battelle Memorial Institute
Project: Novato Ballfields/G486063

Service Request: K2502554
Date Analyzed: 04/15/2005

Continuing Calibration Verification Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C

Calibration Date: 04/12/2005
Calibration ID: CAL4375
Analysis Lot: KWG0506208
Units: ng/ml

File ID: J:\MS10\DATA\041505\0415F001.D
J:\MS10\DATA\041505\0415F002.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
1,2,4,5-Tetrachlorobenzene	3000	3100	0.01	0.735	0.750	2	NA	± 30 %	AverageRF
‡ Phenol	6000	5800	0.01	1.35	1.30	-4	NA	± 20 %	AverageRF
Bis(2-chloroethyl) Ether	3000	3000	0.01	1.12	1.12	0	NA	± 30 %	AverageRF
2-Chlorophenol	6000	5900	0.01	1.11	1.09	-2	NA	± 30 %	AverageRF
2-Methylphenol	6000	5800	0.01	0.845	0.814	-4	NA	± 30 %	AverageRF
Bis(2-chloroisopropyl) Ether	3000	2800	0.01	2.09	1.92	-8	NA	± 30 %	AverageRF
Acetophenone	3000	3000	0.01	1.64	1.66	2	NA	± 30 %	AverageRF
4-Methylphenol	6000	6100	0.01	1.23	1.24	1	NA	± 30 %	AverageRF
† N-Nitrosodi-n-propylamine	3000	2800	0.05	0.906	0.856	-5	NA	± 30 %	AverageRF
Hexachloroethane	3000	3000	0.01	0.632	0.630	0	NA	± 30 %	AverageRF
Nitrobenzene	3000	3000	0.01	1.41	1.40	-1	NA	± 30 %	AverageRF
Isophorone	3000	3000	0.01	0.617	0.617	0	NA	± 30 %	AverageRF
‡ 2-Nitrophenol	6000	6300	0.01	0.197	0.208	5	NA	± 20 %	AverageRF
2,4-Dimethylphenol	6000	6100	0.01	0.266	0.270	1	NA	± 30 %	AverageRF
Bis(2-chloroethoxy)methane	3000	3100	0.01	0.411	0.428	4	NA	± 30 %	AverageRF
‡ 2,4-Dichlorophenol	6000	6100	0.01	0.298	0.303	2	NA	± 20 %	AverageRF
Naphthalene	3000	3100	0.01	0.978	0.996	2	NA	± 30 %	AverageRF
4-Chloroaniline	3000	3000	0.01	0.457	0.464	2	NA	± 30 %	AverageRF
‡ Hexachlorobutadiene	3000	2900	0.01	0.245	0.241	-2	NA	± 20 %	AverageRF
Caprolactam	3000	2800	0.01	0.187	0.177	-5	NA	± 30 %	AverageRF
Benzaldehyde	3000	3200	0.01	0.910	0.962	6	NA	± 30 %	AverageRF
‡ 4-Chloro-3-methylphenol	6000	5800	0.01	0.286	0.277	-3	NA	± 20 %	AverageRF
2-Methylnaphthalene	3000	2900	0.01	0.573	0.557	-3	NA	± 30 %	AverageRF
† Hexachlorocyclopentadiene	3000	2300	0.05	0.333	0.252	-24	NA	± 30 %	AverageRF
‡ 2,4,6-Trichlorophenol	6000	6300	0.01	0.402	0.425	6	NA	± 20 %	AverageRF
2,4,5-Trichlorophenol	6000	6000	0.01	0.434	0.436	1	NA	± 30 %	AverageRF
Biphenyl	3000	3300	0.01	1.46	1.59	9	NA	± 30 %	AverageRF
2-Chloronaphthalene	3000	2800	0.01	0.525	0.484	-8	NA	± 30 %	AverageRF
2-Nitroaniline	3000	3100	0.01	0.490	0.501	2	NA	± 30 %	AverageRF
Dimethyl Phthalate	3000	3100	0.01	1.43	1.48	4	NA	± 30 %	AverageRF
2,6-Dinitrotoluene	3000	3200	0.01	0.346	0.370	7	NA	± 30 %	AverageRF
Acenaphthylene	3000	3000	0.01	1.77	1.79	1	NA	± 30 %	AverageRF
3-Nitroaniline	3000	3300	0.01	0.341	0.378	11	NA	± 30 %	AverageRF
‡ Acenaphthene	3000	3100	0.01	1.04	1.07	3	NA	± 30 %	AverageRF
† 2,4-Dinitrophenol	6000	4500	0.05	0.143	0.118	NA	-24	± 30 %	Quadratic
† 4-Nitrophenol	6000	5600	0.05	0.198	0.184	-7	NA	± 30 %	AverageRF
Dibenzofuran	3000	3100	0.01	1.73	1.81	5	NA	± 30 %	AverageRF
2,4-Dinitrotoluene	3000	3200	0.01	0.432	0.462	7	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Battelle Memorial Institute
Project: Novato Ballfields/G486063

Service Request: K2502554
Date Analyzed: 04/15/2005

Continuing Calibration Verification Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C

Calibration Date: 04/12/2005
Calibration ID: CAL4375
Analysis Lot: KWG0506208
Units: ng/ml

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Diethyl Phthalate	3000	3100	0.01	1.34	1.38	3	NA	± 30 %	AverageRF
Fluorene	3000	3200	0.01	1.23	1.31	6	NA	± 30 %	AverageRF
4-Chlorophenyl Phenyl Ether	3000	3200	0.01	0.648	0.685	6	NA	± 30 %	AverageRF
4-Nitroaniline	3000	3400	0.01	0.333	0.380	14	NA	± 30 %	AverageRF
2-Methyl-4,6-dinitrophenol	6000	5800	0.01	0.242	0.233	-4	NA	± 30 %	AverageRF
‡ N-Nitrosodiphenylamine	3000	3100	0.01	0.841	0.880	5	NA	± 20 %	AverageRF
4-Bromophenyl Phenyl Ether	3000	3000	0.01	0.233	0.234	1	NA	± 30 %	AverageRF
Hexachlorobenzene	3000	3000	0.01	0.260	0.258	-1	NA	± 30 %	AverageRF
Atrazine	3000	3000	0.01	0.242	0.245	1	NA	± 30 %	AverageRF
‡ Pentachlorophenol	6000	5300	0.01	0.107	0.0939	-12	NA	± 20 %	AverageRF
Phenanthrene	3000	3000	0.01	1.16	1.16	-1	NA	± 30 %	AverageRF
Anthracene	3000	3000	0.01	1.17	1.18	1	NA	± 30 %	AverageRF
Carbazole	3000	3000	0.01	1.06	1.07	1	NA	± 30 %	AverageRF
Di-n-butyl Phthalate	3000	3000	0.01	1.39	1.38	-1	NA	± 30 %	AverageRF
‡ Fluoranthene	3000	3000	0.01	1.22	1.23	1	NA	± 20 %	AverageRF
Pyrene	3000	3100	0.01	1.55	1.62	4	NA	± 30 %	AverageRF
Butyl Benzyl Phthalate	3000	3000	0.01	0.745	0.747	0	NA	± 30 %	AverageRF
3,3'-Dichlorobenzidine	6000	6400	0.01	0.474	0.509	7	NA	± 30 %	AverageRF
Benz(a)anthracene	3000	3000	0.01	1.30	1.29	-1	NA	± 30 %	AverageRF
Chrysene	3000	3000	0.01	1.16	1.16	0	NA	± 30 %	AverageRF
Bis(2-ethylhexyl) Phthalate	3000	3000	0.01	0.964	0.973	1	NA	± 30 %	AverageRF
‡ Di-n-octyl Phthalate	3000	3100	0.01	2.03	2.09	3	NA	± 20 %	AverageRF
Benzo(b)fluoranthene	3000	3100	0.01	1.41	1.44	2	NA	± 30 %	AverageRF
Benzo(k)fluoranthene	3000	3100	0.01	1.41	1.46	3	NA	± 30 %	AverageRF
‡ Benzo(a)pyrene	3000	3100	0.01	1.37	1.41	3	NA	± 20 %	AverageRF
Indeno(1,2,3-cd)pyrene	3000	2900	0.01	1.17	1.13	-3	NA	± 30 %	AverageRF
Dibenz(a,h)anthracene	3000	3000	0.01	1.14	1.12	-2	NA	± 30 %	AverageRF
Benzo(g,h,i)perylene	3000	2800	0.01	1.18	1.12	-5	NA	± 30 %	AverageRF
2-Fluorophenol	3000	2800	0.01	1.10	1.03	-6	NA	± 30 %	AverageRF
Phenol-d6	3000	3000	0.01	1.33	1.33	0	NA	± 30 %	AverageRF
Nitrobenzene-d5	3000	3000	0.01	1.34	1.34	0	NA	± 30 %	AverageRF
2-Fluorobiphenyl	3000	3100	0.01	1.30	1.35	4	NA	± 30 %	AverageRF
2,4,6-Tribromophenol	3000	3100	0.01	0.122	0.124	2	NA	± 30 %	AverageRF
Terphenyl-d14	3000	3100	0.01	0.922	0.941	2	NA	± 30 %	AverageRF
‡ 1,4-Dichlorobenzene	3000	3000	0.01	1.41	1.43	1	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Exception Report

Data File: J:\MS10\DATA\041505\0415F001.D
Lab ID: KWG0506208-2
RunType: CCV
Matrix: SOLID

Date Acquired: 04/15/2005 10:13
Date Quantitated: 04/18/2005 10:18
Batch ID: KWG0506208
Analysis Method: 8270C
MethodJoinID: MJ142

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Average RSD	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: 4/19/05

Secondary Review:

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SOLID
Prod Code:	8270-LL	**Collect Date:**		**Receive Date:**	04/18/2005

Analysis Lot:	KWG0506208	**Prep Lot:**		**Report Group:**	
Analysis Method:	8270C	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\MS10\METHODS\BNA\0412BNLL.M	**Calibration ID:**	CAL4375
Title:			
Tune Ref:	J:\MS10\DATA\041505\0415T001.D	**Method ID:**	MJ142
MB Ref:		**Quant based on Method**	

Data File:	J:\MS10\DATA\041505\0415F001.D			**Instrument:**	MS10
Acqu Date:	04/15/2005 10:13	**Quant Date:**	04/18/2005 10:18	**Vial:**	1
Run Type:	CCV			**Dilution:**	1.0
Lab ID:	KWG0506208-2			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.62	-0.12	152	80804	1,000.00	OK
2	Naphthalene-d8	10.56	-0.14	136	263490	1,000.00	OK
3	Acenaphthene-d10	13.38	-0.14	164	125337	1,000.00	OK
4	Phenanthrene-d10	15.80	-0.14	188	216469	1,000.00	OK
5	Chrysene-d12	20.26	-0.18	240	167838	1,000.00	OK
6	Perylene-d12	24.17	-0.25	264	119483	1,000.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	2-Fluorophenol	6.84			112	249682	2,811		11-87	NA
1	Phenol-d6	8.16			99	323174	3,008		20-99	NA
1	Nitrobenzene-d5	9.46			82	325440	3,009		10-99	NA
3	2-Fluorobiphenyl	12.31			172	507383	3,118		10-104	NA
4	2,4,6-Tribromophenol	14.68			330	80381	3,055		23-113	NA
5	Terphenyl-d14	18.44			244	473699	3,061		39-124	NA

Target Compounds

Final Conc. Units:

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	N-Nitrosodimethylamine	5.17			42	195023	2,303			
1	Pyridine	5.23			79	210097	2,216			
1	Bis(2-chloroethyl) Ether	8.26			93	271791	3,011			
1	Phenol	8.19			94	629916	5,777			
1	Aniline	8.15			93	415135	2,900			
1	2-Chlorophenol	8.33			128	526933	5,882			
1	1,3-Dichlorobenzene	8.53			146	332686	3,037			
1	1,4-Dichlorobenzene	8.64			146	347392	3,043			
1	1,2-Dichlorobenzene	8.85			146	313741	2,999			
1	Benzyl Alcohol	8.85			108	184223	2,988			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS10\DATA\041505\0415F001.D			**Instrument:**	MS10
Acqu Date:	04/15/2005 10:13	**Quant Date:**	04/18/2005 10:18	**Vial:**	1
Run Type:	CCV			**Dilution:**	1.0
Lab ID:	KWG0506208-2			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:**

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Bis(2-chloroisopropyl) Ether	9.04			45	465697	2,754			
1	2-Methylphenol	9.05			107	394414	5,777			
1	Hexachloroethane	9.36			117	152619	2,991			
1	N-Nitrosodi-n-propylamine	9.26			70	207560	2,836			
1	4-Methylphenol	9.29			107	601698	6,070			
1	Nitrobenzene	9.49			77	338397	2,974			
2	Isophorone	9.89			82	487616	2,999			
2	2-Nitrophenol	9.98			139	328147	6,314			
2	2,4-Dimethylphenol	10.10			122	427200	6,089			
2	Bis(2-chloroethoxy)methane	10.22			93	338252	3,123			
2	2,4-Dichlorophenol	10.38			162	479115	6,098			
2	Benzoic Acid	10.43			122	171731	5,493			
2	1,2,4-Trichlorobenzene	10.48			180	307523	3,114			
2	Naphthalene	10.59			128	787122	3,054			
2	4-Chloroaniline	10.73			127	366896	3,047			
2	Hexachlorobutadiene	10.79			225	190206	2,943			
2	4-Chloro-3-methylphenol	11.54			107	437250	5,799			
2	2-Methylnaphthalene	11.71			141	440648	2,917			
3	Hexachlorocyclopentadiene	11.94			237	94865	2,270			
3	2,4,6-Trichlorophenol	12.19			196	319325	6,344			
3	2,4,5-Trichlorophenol	12.26			196	328139	6,031			
3	2-Chloronaphthalene	12.49			127	182144	2,768			
3	2-Nitroaniline	12.69			65	188351	3,069			
3	Acenaphthylene	13.15			152	674396	3,045			
3	Dimethyl Phthalate	13.01			163	558141	3,121			
3	2,6-Dinitrotoluene	13.10			165	139168	3,206			
3	Acenaphthene	13.44			154	403015	3,091			
3	3-Nitroaniline	13.37			138	142024	3,323			
3	2,4-Dinitrophenol	13.56			184	88617	4,538			
3	Dibenzofuran	13.72			168	682017	3,141			
3	4-Nitrophenol	13.73			109	138422	5,587			
3	2,4-Dinitrotoluene	13.76			165	173541	3,203			
3	2,3,4,6-Tetrachlorophenol	13.95			232	238171	6,438			
3	Fluorene	14.29			166	492098	3,181			
3	4-Chlorophenyl Phenyl Ether	14.31			204	257421	3,167			
3	Diethyl Phthalate	14.16			149	519896	3,085			
3	4-Nitroaniline	14.38			138	142997	3,429			
3	2-Methyl-4,6-dinitrophenol	14.44			198	175339	5,782			
3	N-Nitrosodiphenylamine	14.51			169	331030	3,142			
3	Azobenzene	14.56			77	585999	3,051			
4	4-Bromophenyl Phenyl Ether	15.09			248	151778	3,015			
4	Hexachlorobenzene	15.17			284	167758	2,979			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS10\DATA\041505\0415F001.D			**Instrument:**	MS10
Acqu Date:	04/15/2005 10:13	**Quant Date:**	04/18/2005 10:18	**Vial:**	1
Run Type:	CCV			**Dilution:**	1.0
Lab ID:	KWG0506208-2			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:**

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
4	Pentachlorophenol	15.52			266	121997	5,270			
4	Phenanthrene	15.84			178	752192	2,985			
4	Anthracene	15.92			178	768405	3,041			
4	Carbazole	16.22			167	697566	3,034			
4	Di-n-butyl Phthalate	16.83			149	896820	2,972			
4	Fluoranthene	17.77			202	796484	3,024			
5	Benzidine	18.05			184	640115	5,885			
5	Pyrene	18.14			202	815038	3,128			
5	Butyl Benzyl Phthalate	19.28			149	376306	3,010			
5	3,3'-Dichlorobenzidine	20.24			252	512719	6,442			
5	Benz(a)anthracene	20.24			228	648172	2,966			
5	Chrysene	20.32			228	583061	2,989			
5	Bis(2-ethylhexyl) Phthalate	20.43			149	490161	3,031			
6	Di-n-octyl Phthalate	22.15			149	748743	3,080			
6	Benzo(b)fluoranthene	23.04			252	517194	3,059			
6	Benzo(k)fluoranthene	23.13			252	521816**m**	3,091			
6	Benzo(a)pyrene	24.02			252	505132	3,080			
6	Indeno(1,2,3-cd)pyrene	26.85			276	403707**m**	2,898			
6	Dibenz(a,h)anthracene	26.92			278	401926	2,951			
6	Benzo(g,h,i)perylene	27.38			276	401474	2,841			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041505\0415F001.D Vial: 1
Acq On : 15 Apr 2005 10:13 Operator: JGISH
Sample : 8270-LL @ 3/6ppm SVM19-29A Inst : MS10
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 15 10:56:57 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Apr 15 10:56:49 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.62	152	80804	1000.00	ng/ml	0.00
23) Naphthalene-d8	10.56	136	263490	1000.00	ng/ml	0.00
37) Acenaphthene-d10	13.38	164	125337	1000.00	ng/ml	0.00
63) Phenanthrene-d10	15.80	188	216469	1000.00	ng/ml	0.00
74) Chrysene-d12	20.26	240	167838	1000.00	ng/ml	0.00
83) Perylene-d12	24.17	264	119483	1000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	6.84	112	249682	2811.04	ng/ml	-0.02
Spiked Amount 3750.000	Range 38 - 110		Recovery = 74.96%			
7) Phenol-d6	8.16	99	323174	3007.98	ng/ml	0.00
Spiked Amount 3750.000	Range 43 - 128		Recovery = 80.21%			
21) Nitrobenzene-d5	9.46	82	325440	3009.27	ng/ml	0.00
Spiked Amount 2500.000	Range 30 - 139		Recovery = 120.37%			
42) 2-Fluorobiphenyl	12.31	172	507383	3117.62	ng/ml	0.00
Spiked Amount 2500.000	Range 37 - 126		Recovery = 124.70%			
64) 2,4,6-Tribromophenol	14.68	330	80381	3054.83	ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 157		Recovery = 81.46%			
77) Terphenyl-d14	18.44	244	473699	3060.89	ng/ml	0.02
Spiked Amount 2500.000	Range 54 - 158		Recovery = 122.44%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	5.17	42	195023	2303.23	ng/ml	93
3) Pyridine	5.23	79	210097	2215.78	ng/ml	97
6) Bis(2-chloroethyl) Ether	8.26	93	271791	3011.11	ng/ml	99
8) Phenol	8.19	94	629916	5777.41	ng/ml	93
9) Aniline	8.15	93	415135	2899.72	ng/ml	91
10) 2-Chlorophenol	8.33	128	526933	5882.10	ng/ml	98
11) 1,3-Dichlorobenzene	8.53	146	332686	3037.29	ng/ml	97
12) 1,4-Dichlorobenzene	8.64	146	347392	3043.35	ng/ml	99
13) 1,2-Dichlorobenzene	8.85	146	313741	2998.81	ng/ml	99
14) Benzyl Alcohol	8.85	108	184223	2988.12	ng/ml	99
15) Bis(2-chloroisopropyl) Eth	9.04	45	465697	2753.92	ng/ml	85
16) 2-Methylphenol	9.05	107	394414	5777.31	ng/ml	99
18) Hexachloroethane	9.36	117	152619	2990.73	ng/ml	83
19) N-Nitrosodi-n-propylamine	9.26	70	207560	2836.36	ng/ml	94
20) 4-Methylphenol	9.29	107	601698	6070.34	ng/ml	99
22) Nitrobenzene	9.49	77	338397	2973.83	ng/ml	95
24) Isophorone	9.89	82	487616	2998.87	ng/ml	100
25) 2-Nitrophenol	9.98	139	328147	6314.32	ng/ml	91
26) 2,4-Dimethylphenol	10.10	122	427200	6088.50	ng/ml	100
27) Bis(2-chloroethoxy)methane	10.22	93	338252	3123.12	ng/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041505\0415F001.D Vial: 1
Acq On : 15 Apr 2005 10:13 Operator: JGISH
Sample : 8270-LL @ 3/6ppm SVM19-29A Inst : MS10
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 15 10:56:57 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Apr 15 10:56:49 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
28)	2,4-Dichlorophenol	10.38	162	479115	6097.98	ng/ml	96
29)	Benzoic Acid	10.43	122	171731	5493.22	ng/ml	91
30)	1,2,4-Trichlorobenzene	10.48	180	307523	3113.78	ng/ml	99
31)	Naphthalene	10.59	128	787122	3054.26	ng/ml	99
32)	4-Chloroaniline	10.73	127	366896	3046.63	ng/ml	94
33)	Hexachlorobutadiene	10.79	225	190206	2943.26	ng/ml	100
35)	4-Chloro-3-methylphenol	11.54	107	437250	5799.02	ng/ml	96
36)	2-Methylnaphthalene	11.71	141	440648	2917.09	ng/ml	99
39)	Hexachlorocyclopentadiene	11.94	237	94865	2270.17	ng/ml	100
40)	2,4,6-Trichlorophenol	12.19	196	319325	6343.98	ng/ml	99
41)	2,4,5-Trichlorophenol	12.26	196	328139	6031.34	ng/ml	96
44)	2-Chloronaphthalene	12.49	127	182144	2768.32	ng/ml	97
45)	2-Nitroaniline	12.69	65	188351	3069.18	ng/ml	97
46)	Acenaphthylene	13.15	152	674396	3044.96	ng/ml	99
47)	Dimethyl Phthalate	13.01	163	558141	3120.62	ng/ml	100
48)	2,6-Dinitrotoluene	13.10	165	139168	3205.71	ng/ml	100
49)	Acenaphthene	13.44	154	403015	3090.51	ng/ml	99
50)	3-Nitroaniline	13.37	138	142024	3322.78	ng/ml	98
51)	2,4-Dinitrophenol	13.56	184	88617	4537.83	ng/ml	88
52)	Dibenzofuran	13.72	168	682017	3141.49	ng/ml	88
53)	4-Nitrophenol	13.73	109	138422	5586.68	ng/ml#	70
54)	2,4-Dinitrotoluene	13.76	165	173541	3202.95	ng/ml	88
55)	2,3,4,6-Tetrachlorophenol	13.95	232	238171	6438.02	ng/ml	85
56)	Fluorene	14.29	166	492098	3181.09	ng/ml	99
57)	4-Chlorophenyl Phenyl Ethe	14.31	204	257421	3167.05	ng/ml	94
58)	Diethyl Phthalate	14.16	149	519896	3085.21	ng/ml	98
59)	4-Nitroaniline	14.38	138	142997	3429.04	ng/ml	97
60)	2-Methyl-4,6-dinitrophenol	14.44	198	175339	5781.95	ng/ml	92
61)	N-Nitrosodiphenylamine	14.51	169	331030	3142.04	ng/ml	99
62)	Azobenzene	14.56	77	585999	3051.10	ng/ml	97
65)	4-Bromophenyl Phenyl Ether	15.09	248	151778	3015.26	ng/ml	93
66)	Hexachlorobenzene	15.17	284	167758	2979.24	ng/ml	86
68)	Pentachlorophenol	15.52	266	121997	5270.34	ng/ml	99
69)	Phenanthrene	15.84	178	752192	2984.89	ng/ml	100
70)	Anthracene	15.92	178	768405	3040.54	ng/ml	100
71)	Carbazole	16.22	167	697566	3034.46	ng/ml	99
72)	Di-n-butyl Phthalate	16.83	149	896820	2971.91	ng/ml	98
73)	Fluoranthene	17.77	202	796484	3023.76	ng/ml	99
75)	Benzidine	18.05	184	640115	5884.99	ng/ml	99
76)	Pyrene	18.14	202	815038	3128.27	ng/ml	99
78)	Butyl Benzyl Phthalate	19.28	149	376306	3010.30	ng/ml	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041505\0415F001.D Vial: 1
Acq On : 15 Apr 2005 10:13 Operator: JGISH
Sample : 8270-LL @ 3/6ppm SVM19-29A Inst : MS10
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 15 10:56:57 2005 Quant Results File: 0412BNLL.RES

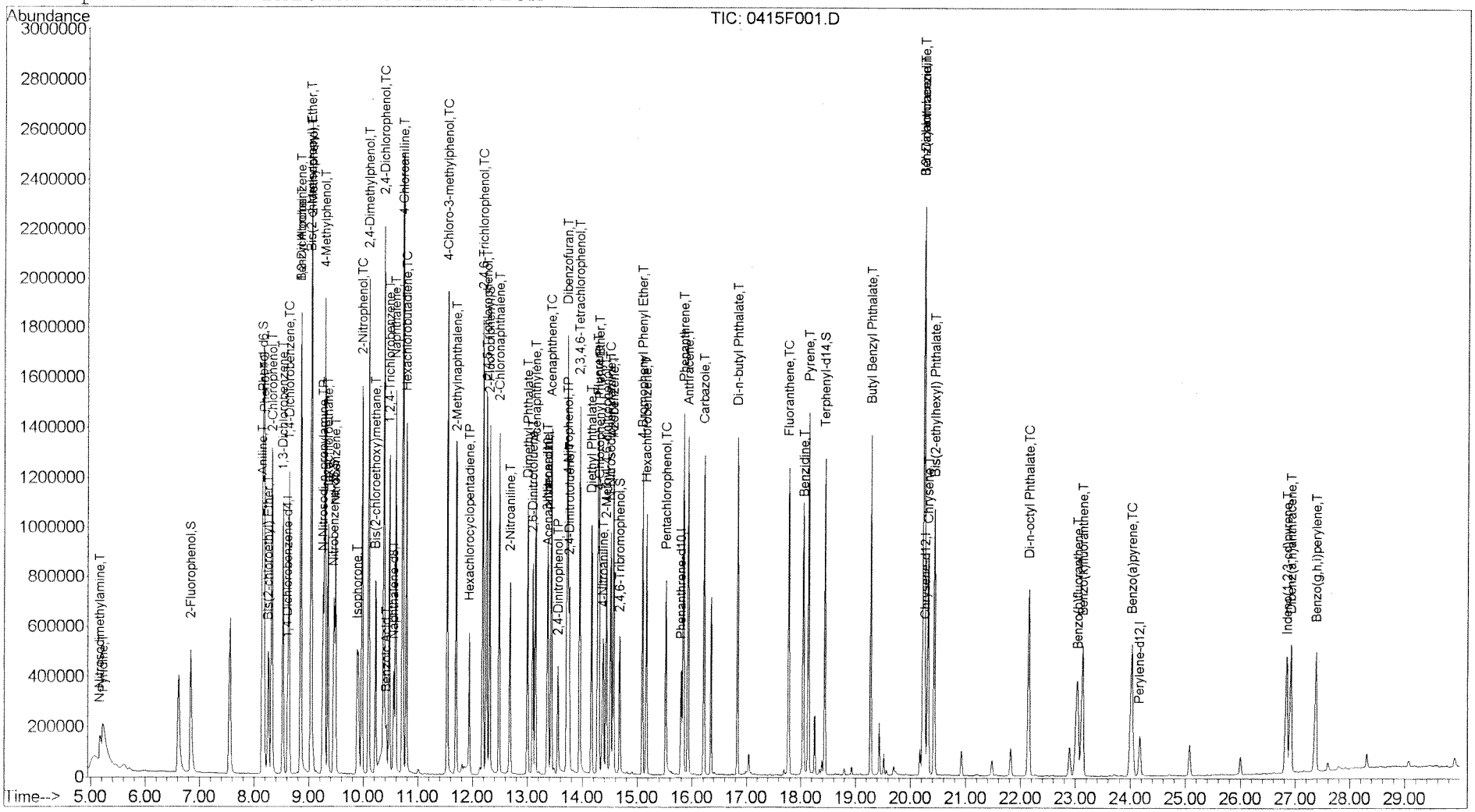
Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Apr 15 10:56:49 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
79)	3,3'-Dichlorobenzidine	20.24	252	512719	6441.96	ng/ml	99
80)	Benz(a)anthracene	20.24	228	648172	2965.75	ng/ml	99
81)	Chrysene	20.32	228	583061	2989.23	ng/ml	99
82)	Bis(2-ethylhexyl) Phthalat	20.43	149	490161	3030.82	ng/ml	97
84)	Di-n-octyl Phthalate	22.15	149	748743	3079.50	ng/ml	99
85)	Benzo(b)fluoranthene	23.04	252	517194	3059.31	ng/ml	98
86)	Benzo(k)fluoranthene	23.13	252	503307	2981.08	ng/ml	99
87)	Benzo(a)pyrene	24.02	252	505132	3079.50	ng/ml	99
88)	Indeno(1,2,3-cd)pyrene	26.85	276	403707m	2897.91	ng/ml	
89)	Dibenz(a,h)anthracene	26.92	278	401926	2950.60	ng/ml	100
90)	Benzo(g,h,i)perylene	27.38	276	401474	2841.16	ng/ml	98

(#) = qualifier out of range (m) = manual integration

Data File : J:\MS10\DATA\041505\0415F001.D Vial: 1
Acq On : 15 Apr 2005 10:13 Operator: JGISH
Sample : 8270-LL @ 3/6ppm SVM19-29A Inst : MS10
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 15 11:01 2005 Quant Results File: 0412BNLL.RES

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Apr 15 10:56:49 2005
Response via : Initial Calibration

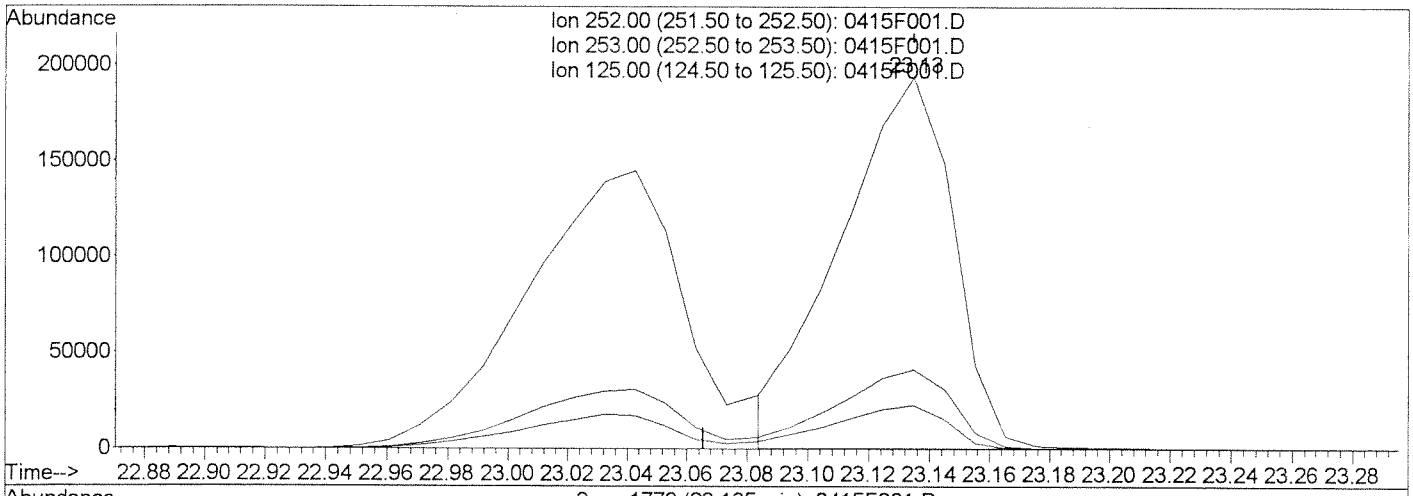


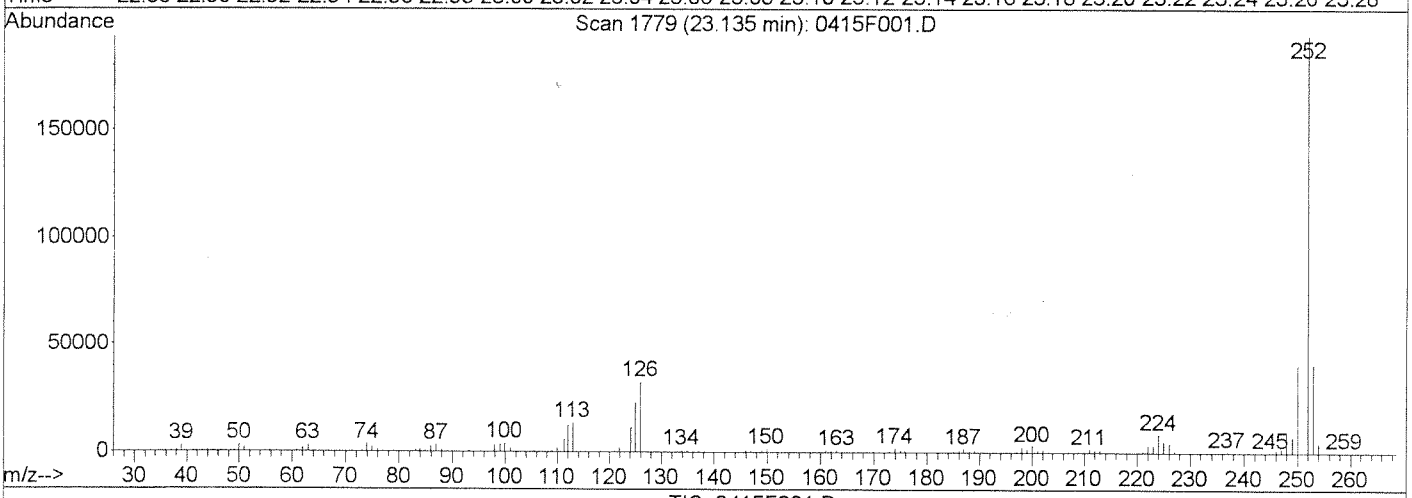
Quantitation Report (Qedit)

Data File : J:\MS10\DATA\041505\0415F001.D
Acq On : 15 Apr 2005 10:13 am
Sample : 8270-LL @ 3/6ppm SVM19-29A
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 15 11:01 2005

Vial: 1
Operator: JGISH
Inst : MS10
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Apr 15 10:56:49 2005
Response via : Multiple Level Calibration





TIC: 0415F001.D

(86) Benzo(k)fluoranthene (T)

23.13min 2981.08ng/ml

response 503307

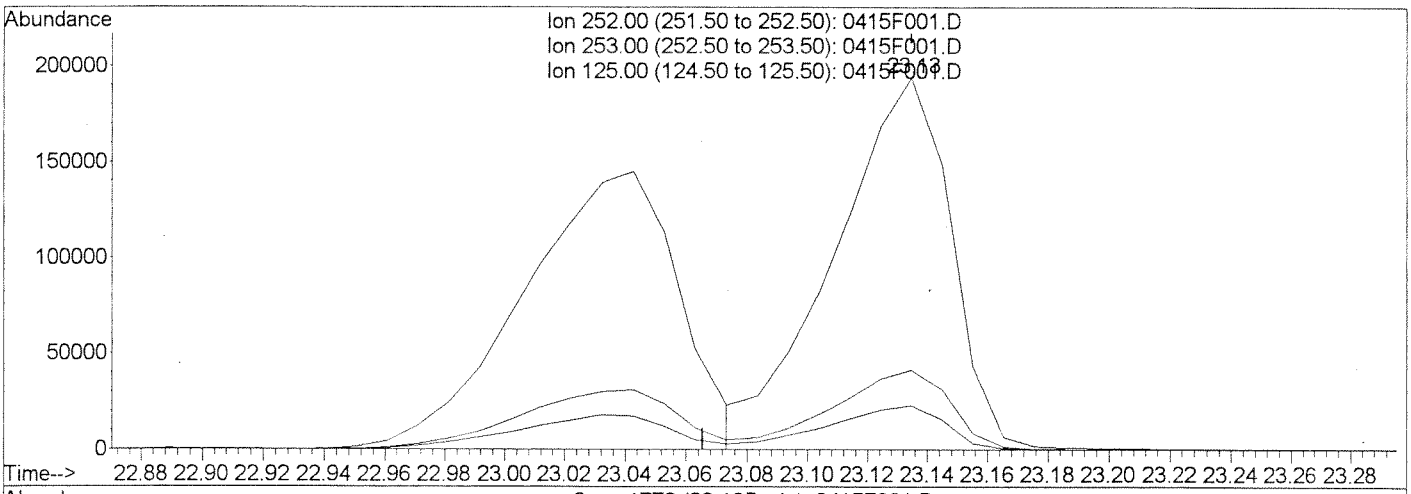
Ion	Exp%	Act%
252.00	100	100
253.00	21.40	21.20
125.00	11.40	11.83
0.00	0.00	0.00

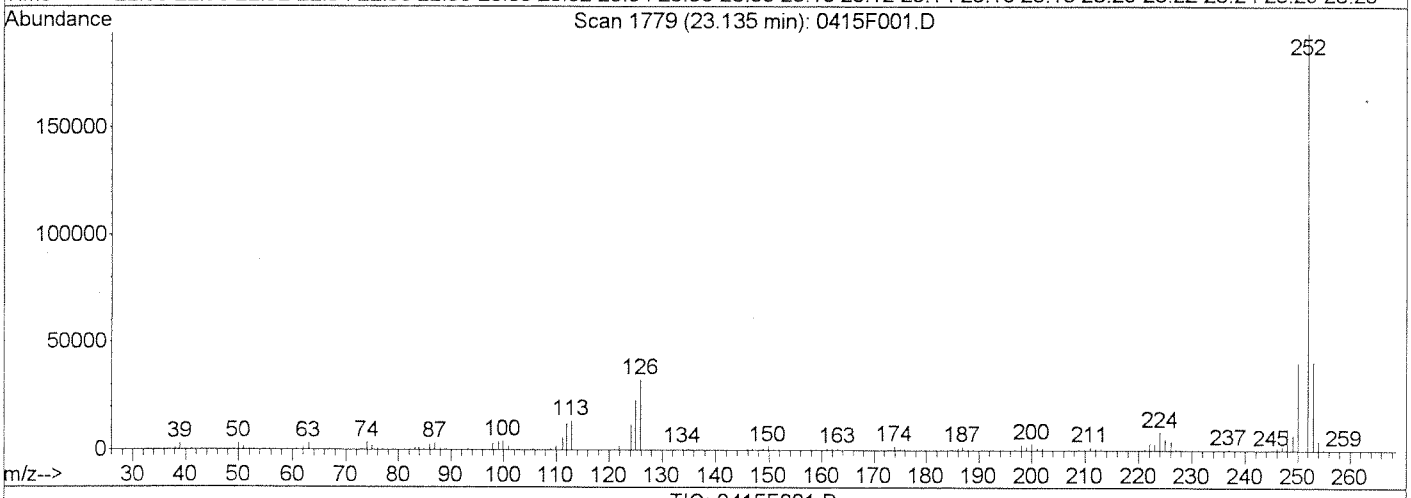
0415F001.D 0412BNLL.M Mon Apr 18 10:17:59 2005

Quantitation Report (Qedit)

Data File : J:\MS10\DATA\041505\0415F001.D Vial: 1
Acq On : 15 Apr 2005 10:13 am Operator: JGISH
Sample : 8270-LL @ 3/6ppm SVM19-29A Inst : MS10
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 18 10:18 2005 Quant Results File: temp.res

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Apr 15 10:56:49 2005
Response via : Multiple Level Calibration





TIC: 0415F001.D

(86) Benzo(k)fluoranthene (T)

23.13min 3090.71ng/ml m

response 521816

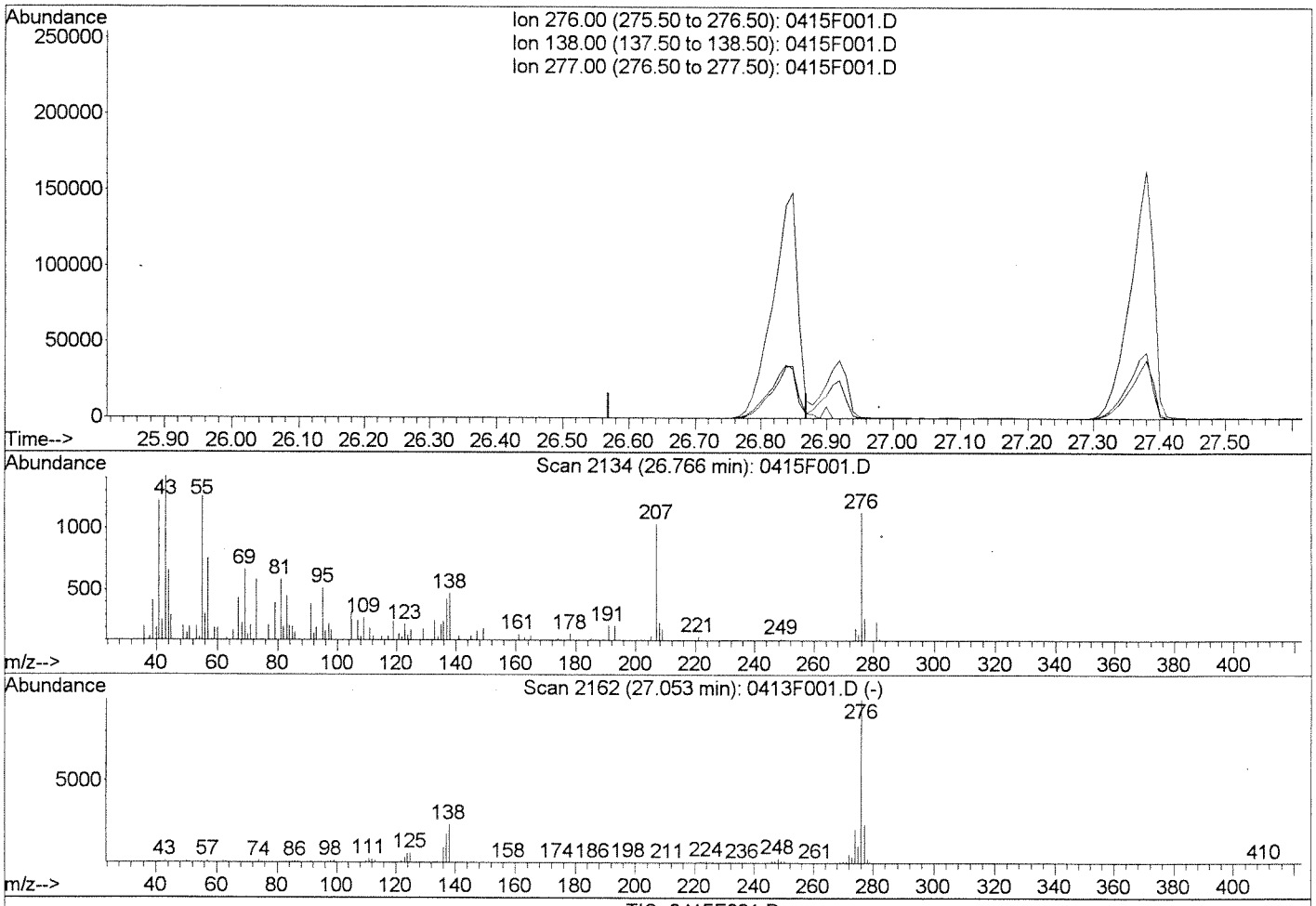
Ion	Exp%	Act%
252.00	100	100
253.00	21.40	21.23
125.00	11.40	11.82
0.00	0.00	0.00

0415F001.D 0412BNLL.M Mon Apr 18 10:18:05 2005

Quantitation Report (Qedit)

Data File : J:\MS10\DATA\041505\0415F001.D Vial: 1
Acq On : 15 Apr 2005 10:13 Operator: JGISH
Sample : 8270-LL @ 3/6ppm SVM19-29A Inst : MS10
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 15 11:01 2005 Quant Results File: temp.res

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Apr 15 10:56:49 2005
Response via : Multiple Level Calibration



TIC: 0415F001.D

(88) Indeno(1,2,3-cd)pyrene (T)

26.77min 0.00ng/ml

response 0

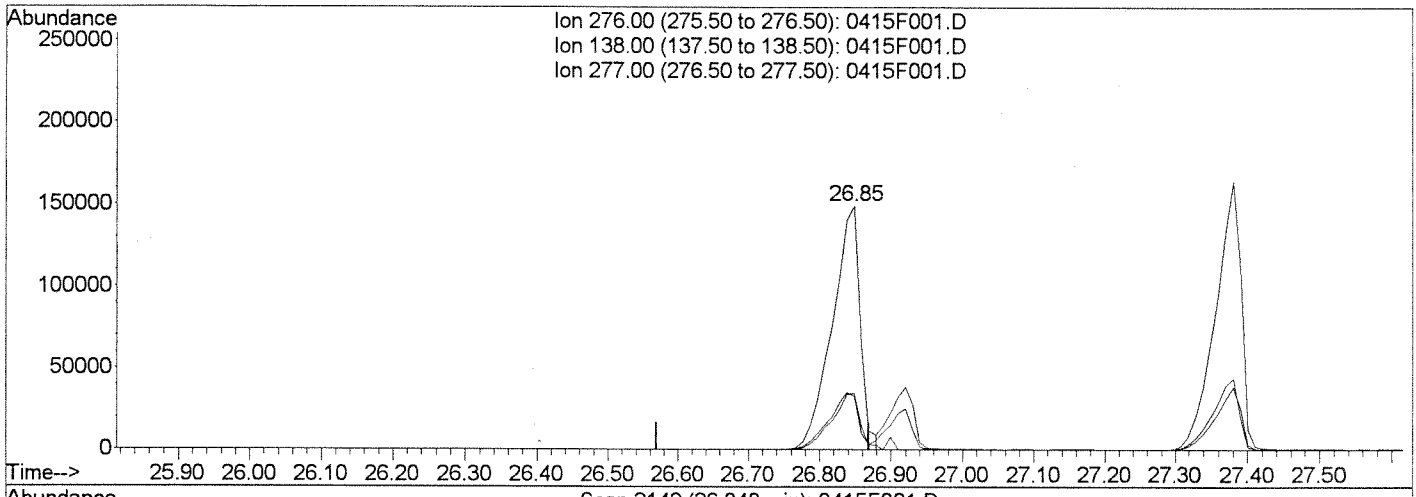
Ion	Exp%	Act%
276.00	100	0.00
138.00	23.50	0.00
277.00	23.40	0.00
0.00	0.00	0.00

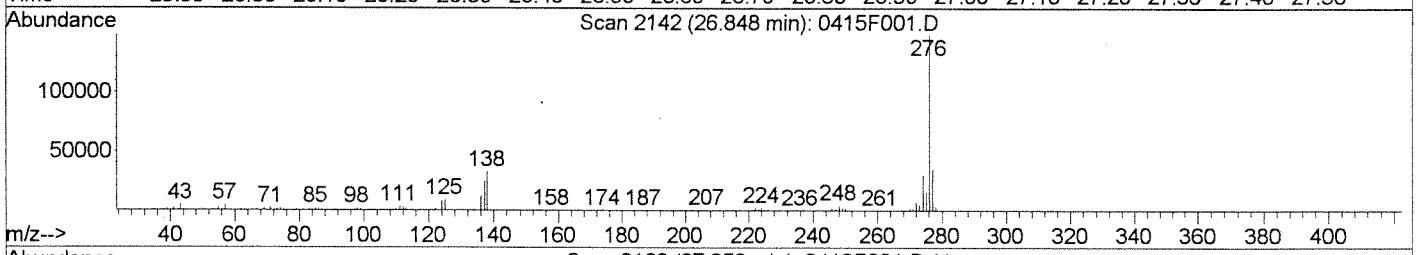
0415F001.D 0412BNLL.M Fri Apr 15 11:01:21 2005

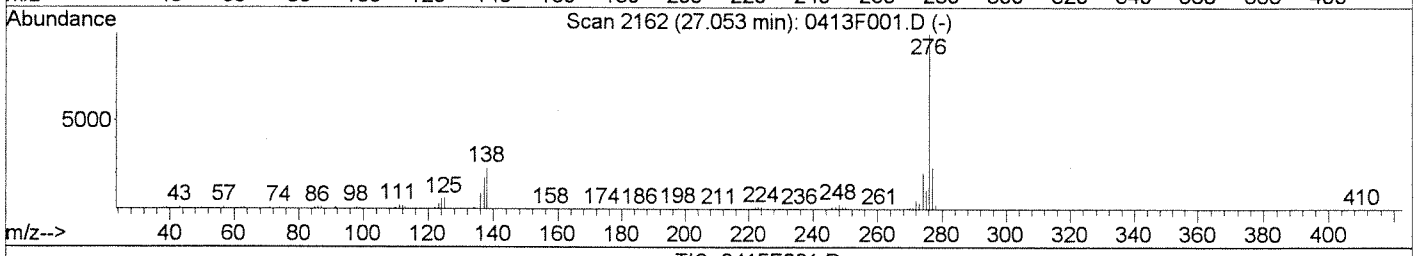
Quantitation Report (Qedit)

Data File : J:\MS10\DATA\041505\0415F001.D Vial: 1
Acq On : 15 Apr 2005 10:13 Operator: JGISH
Sample : 8270-LL @ 3/6ppm SVM19-29A Inst : MS10
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 15 11:01 2005 Quant Results File: temp.res

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Apr 15 10:56:49 2005
Response via : Multiple Level Calibration







TIC: 0415F001.D

(88) Indeno(1,2,3-cd)pyrene (T)

26.85min 2897.91ng/ml m

response 403707

Ion	Exp%	Act%
276.00	100	100
138.00	23.50	21.98
277.00	23.40	23.27
0.00	0.00	0.00

4/15/5 mwd

4/19/05 CJ

0415F001.D 0412BNLL.M Fri Apr 15 11:01:28 2005

Exception Report

Data File: J:\MS10\DATA\041505\0415F002.D
Lab ID: KWG0506208-2
RunType: CCV
Matrix: SOLID

Date Acquired: 04/15/2005 11:01
Date Quantitated: 04/15/2005 11:33
Batch ID: KWG0506208
Analysis Method: 8270C
MethodJoinID: MJ142

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Average RSD	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: [signature] 4/19/05

Secondary Review: [signature] 4/19/05

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SOLID
Prod Code:	8270-LL	**Collect Date:**		**Receive Date:**	04/18/2005

Analysis Lot:	KWG0506208	**Prep Lot:**		**Report Group:**	
Analysis Method:	8270C	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\MS10\METHODS\BNA\0412BNLL.M	**Calibration ID:**	CAL4375
Title:			
Tune Ref:	J:\MS10\DATA\041505\0415T001.D	**Method ID:**	MJ142
MB Ref:		**Quant based on Method**	

Data File:	J:\MS10\DATA\041505\0415F002.D			**Instrument:**	MS10
Acqu Date:	04/15/2005 11:01	**Quant Date:**	04/15/2005 11:33	**Vial:**	2
Run Type:	CCV			**Dilution:**	1.0
Lab ID:	KWG0506208-2			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.62	-0.13	152	66215	1,000.00	OK
2	Naphthalene-d8	10.55	-0.13	136	213819	1,000.00	OK
3	Acenaphthene-d10	13.37	-0.14	164	106564	1,000.00	OK
4	Phenanthrene-d10	15.79	-0.15	188	174402	1,000.00	OK
5	Chrysene-d12	20.24	-0.19	240	127566	1,000.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?

Target Compounds

Final Conc. Units:

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Benzaldehyde	7.99			106	191132	3,172			
1	Acetophenone	9.23			105	329942	3,045			
2	Caprolactam	11.27			55	113394	2,841			
3	1,2,4,5-Tetrachlorobenzene	11.97			216	239614	3,060			
3	Biphenyl	12.46			154	509067	3,265			
4	Atrazine	15.43			200	128199	3,042			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041505\0415F002.D Vial: 2
Acq On : 15 Apr 2005 11:01 Operator: JGISH
Sample : 8270-LL CLP @ 3Ppm SVM19-28B Inst : MS10
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 15 11:32:29 2005 Quant Results File: 0412BNLL.RES

Quant Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Apr 15 10:56:49 2005
Response via : Initial Calibration
DataAcq Meth : BNALL

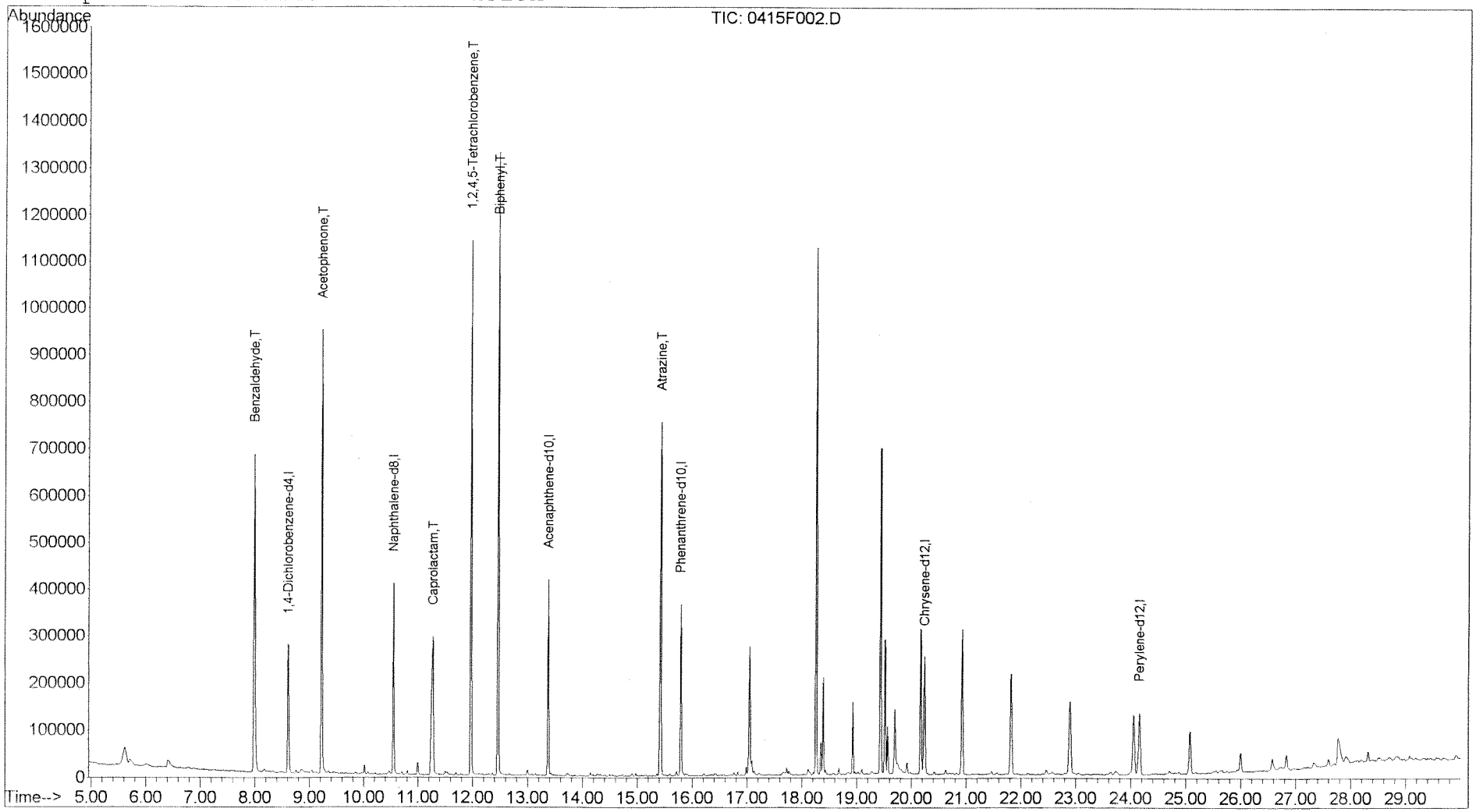
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.62	152	66215	1000.00	ng/ml	0.00
23) Naphthalene-d8	10.55	136	213819	1000.00	ng/ml	-0.01
37) Acenaphthene-d10	13.37	164	106564	1000.00	ng/ml	0.00
63) Phenanthrene-d10	15.79	188	174402	1000.00	ng/ml	-0.01
74) Chrysene-d12	20.24	240	127566	1000.00	ng/ml	-0.02
83) Perylene-d12	24.15	264	94489	1000.00	ng/ml	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 38 - 110		Recovery = 0.00%#			
7) Phenol-d6	0.00	99	0d	0.00	ng/ml	
Spiked Amount 3750.000	Range 43 - 128		Recovery = 0.00%#			
21) Nitrobenzene-d5	0.00	82	0d	0.00	ng/ml	
Spiked Amount 2500.000	Range 30 - 139		Recovery = 0.00%#			
42) 2-Fluorobiphenyl	0.00	172	0d	0.00	ng/ml	
Spiked Amount 2500.000	Range 37 - 126		Recovery = 0.00%#			
64) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 38 - 157		Recovery = 0.00%#			
77) Terphenyl-d14	0.00	244	0d	0.00	ng/ml	
Spiked Amount 2500.000	Range 54 - 158		Recovery = 0.00%#			
Target Compounds						Qvalue
5) Benzaldehyde	7.99	106	191132	3172.45	ng/ml	99
17) Acetophenone	9.23	105	329942	3045.46	ng/ml	97
34) Caprolactam	11.27	55	113394	2841.28	ng/ml	98
38) 1,2,4,5-Tetrachlorobenzene	11.97	216	239614	3060.35	ng/ml	99
43) Biphenyl	12.46	154	509067	3264.74	ng/ml	100
67) Atrazine	15.43	200	128199	3041.62	ng/ml	95

(#) = qualifier out of range (m) = manual integration
0415F002.D 0412BNLL.M Fri Apr 15 11:34:13 2005 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS10\DATA\041505\0415F002.D Vial: 2
Acq On : 15 Apr 2005 11:01 Operator: JGISH
Sample : 8270-LL CLP @ 3Ppm SVM19-28B Inst : MS10
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 15 11:33 2005 Quant Results File: 0412BNLL.RES

Method : J:\MS10\METHODS\BNA\0412BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Apr 15 10:56:49 2005
Response via : Initial Calibration



831

Organic Analysis:
Semi-Volatile Organic Compounds by GC/MS

Validation Package

Sample Prep and Screen Data

Preparation Information

Group ID:	KWG0505755	**Prep Method:**	EPA 3541	**Prep Date:**	04/11/05 00:00
Department:	MSP				

Lab Code	Client ID	Product	Matrix	Amt. Ext.	Final Vol.	Solids
K2502499-008	T063-SPN-SB02-0-0.5 DUP	8270-LL	SOIL	40.03g	2ml	
K2502499-009	T063-SPN-SB02-4-5	8270-LL	SOIL	40.01g	2ml	
K2502499-010	T063-SPN-SB03-0-0.5	8270-LL	SOIL	40.06g	2ml	
K2502499-011	T063-R1-SB02-0-0.5	8270-LL	SOIL	40.07g	2ml	
K2502499-012	T063-R1-SB01-0-0.5DUP	8270-LL	SOIL	40.09g	2ml	
K2502554-001	TO63-IDW-01	8270-LL	SOIL	40.09g	2ml	
KWG0505755-1	Matrix Spike	8270-LL	SOIL	40.06g	2ml	
KWG0505755-2	Duplicate Matrix Spike	8270-LL	SOIL	40.04g	2ml	
KWG0505755-5	Lab Control Sample	8270-LL	SOIL	20.00g	2ml	
KWG0505755-6	Duplicate Lab Control Sampl	8270-LL	SOIL	20.00g	2ml	
KWG0505755-7	Method Blank	8270-LL	SOIL	40.09g	2ml	

Lab Code	Parent Lab Code	Comments
KWG0505755-1	K2502499-011	svm19-15a 50ul
KWG0505755-2	K2502499-011	svm19-15a 50ul
KWG0505755-5		svm19-15a 50ul
KWG0505755-6		svm19-15a 50ul

Lab Code	Prep Event ID	Surrogate Solution ID	Amount Added	Spike Solution ID	Amount Added	Witness
K2502499-008	373953	SVMP3-63-B	50uL			GRoettge
K2502499-009	373954	SVMP3-63-B	50uL			GRoettge
K2502499-010	373955	SVMP3-63-B	50uL			GRoettge
K2502499-011	373956	SVMP3-63-B	50uL			GRoettge
K2502499-012	373957	SVMP3-63-B	50uL			GRoettge
K2502554-001	373958	SVMP3-63-B	50uL			GRoettge
KWG0505755-1	373959	SVMP3-63-B	50uL	SVMP3-64B/64A	50uL	GRoettge
KWG0505755-2	373960	SVMP3-63-B	50uL	SVMP3-64B/64A	50uL	GRoettge
KWG0505755-5	373963	SVMP3-63-B	50uL	SVMP3-64B/64A	50uL	GRoettge
KWG0505755-6	373964	SVMP3-63-B	50uL	SVMP3-64B/64A	50uL	GRoettge
KWG0505755-7	373965	SVMP3-63-B	50uL			GRoettge

Comments: IS- SVM 12-64K

Started By: EErickso Assisted By: _____ Training: Yes / No

Completed By: KMiller Assisted By: _____ Yes / No

Reviewed By: EE Date: 4-14-05 Storage: MS 10 Box

Chain of Custody

Relinquished By: _____ Date: 4-13-05

Received By: _____ Date: 4.15.5 Extracts Examined: Yes / No

Preparation Information

Group ID: KWG0505755 **Prep Method:** EPA 3541 **Prep Date:** 04/11/05 00:00
Department: MSP

#	Lab Code	Client ID	B#	√	Product	Matrix	Amt. Ext.	pH	Int. Vol.	Final Vol.	Surr. Added	Spike Added
1	K2502499-008	T063-SPN-SB02-0-0.5 DUP		✓	8270-LL	SOIL	40.03	NA	10mL	2ml	5mL	NC
2	K2502499-009	T063-SPN-SB02-4-5		✓	8270-LL	SOIL	40.01					
3	K2502499-010	T063-SPN-SB03-0-0.5		✓	8270-LL	SOIL	40.06					
4	K2502499-011	T063-R1-SB02-0-0.5		✓	8270-LL	SOIL	40.07					
5	K2502499-012	T063-R1-SB01-0-0.5DUP		✓	8270-LL	SOIL	40.09					
6	K2502554-001	T063-IDW-01		✓	8270-LL	SOIL	40.09					
7	KWG0505755-1	Matrix Spike K2499-11		✓	8270-LL	SOIL	40.06					5mL
8	KWG0505755-2	Duplicate Matrix Spike K2499-11		✓	8270-LL	SOIL	40.04					
9	KWG0505755-3	Duplicate Matrix Spike K2554-1		✓	8270-LL	SOIL	40.05					
10	KWG0505755-4	Method Blank K2554-1		✓	8270-LL	SOIL	40.03					
11	KWG0505755-5	Lab Control Sample			8270-LL	SOIL	20.00			2ml		5mL
12	KWG0505755-6	Duplicate Lab Control Sample			8270-LL	SOIL	20.00					
13	KWG0505755-7	Method Blank			8270-LL	SOIL	40.09					

Comments:

Surrogate ID: SUMP3-63-B EXP 7-28-05 100/150 ppm @ 4/11/05 & 5mL

Spike ID: SUMP3-64-B EXP 8-2-05 50mL / SUMP3-64-A EXP 8/2/05 50mL / SUMP3-157 EXP 7-21-05 50...

Witness: Georgia Matthews 4/11/05

Started By: EErickso Assisted By: Lab Load

Completed By: KM Assisted By:

Printed: 04/10/2005 09:00:39 Preparation Information Page 1 of 1

c:\StealthCrystal.rpt\prep2.rpt

ABC GPC BENCHSHEET

Analyst: EE Matrix: Tissue / Reg. Soil / Low Level Soil / Water / Oil

Date: 4-11-05 Work Order: K2502554/2499

A. GPC Calibrated on this date: 4-11-05

B. (1) Intermediate Volume before GPC: 10 (ml)

(2) Aliquot taken from intermediate volume: 10 (ml)

(3) Aliquot diluted up to..... 10 (ml)

(4) Volume injected onto column: 5 (ml)

(5) GPC'd Extract brought to the Final Volume of 1 (ml)

(6) Calculate the True Final Volume 2 (ml) $\frac{(1) \times (3)}{(2)} \times (5) = (6)$

C. Does a split for PCB's or PAH's need to be done? YES (NO)

Checklist for the GPC Run:

1. Is the column reservoir full?
2. Is the rinse reservoir full?
3. Is the waste bottle empty?
4. Did you check the flow rate?
5. Is there a collection vessel for each extract tube?
6. Do the extract tube labels correspond to the collection vessel labels?
7. Are the extracts diluted properly, if needed?
8. Are all extracts filtered? (They **MUST** be)
9. Did you record where you put the remaining extract?
10. Is the correct method/collection window programmed?
11. Is the By-pass valve set to **In-line**?
12. Is the run log filled out?
13. Is sample load time set correctly for extract with lowest volume? **(VERY IMPORTANT)**
14. Is the nitrogen tank valve open?
15. Is there enough nitrogen (at least 500lb/23 extracts)?
16. Did you double check your GPC setup?

Operator date and initial EE 4/11/05

Additional Prep Information for EPA 3541

Service Request 2499,2554 **Workgroup** KWG0505755

DCM Lot 45014 Hexane Lot NA

Start (Time/Date/Initial): 1000 4-11-05 EE

Stop (Time/Date/Initial): 4:00pm 4-11-05 EE

Sulfate Lot # 443495O1

S-Evap Temp 75°c N-evap Temp 34°c Silica gel Lot # NA

Solvent Exchange: NA

Clean-up #1: GPC Initial/Date: 4-11-05 EE

Clean-up #2: — Initial/Date: —

Extract Storage: NA

Date Completed: 4-12-05 Kmm

Comments/Observations:

Bench Sheet Review Check List
☑ Hold Times Met (if no, Reason:)
☑ Prep date, dept, method, product code correct in stealth
☑ Spike Information correct
☑ Weights/Volumes and units correct on raw and final bench sheets
☑ Sample IDs have been checked—Bottle numbers appended if required
☑ Names present for: Started by, Completed by, relinquished by, and witnessed by.
☑ Training has been circled
☑ Extract Storage recorded
☑ Additional Prep Sheet completely filled out (NA or line out Blanks)
☑ All clean-ups have been noted on additional prep sheet
☐ Signed service request with Form V, if applicable, has been attached

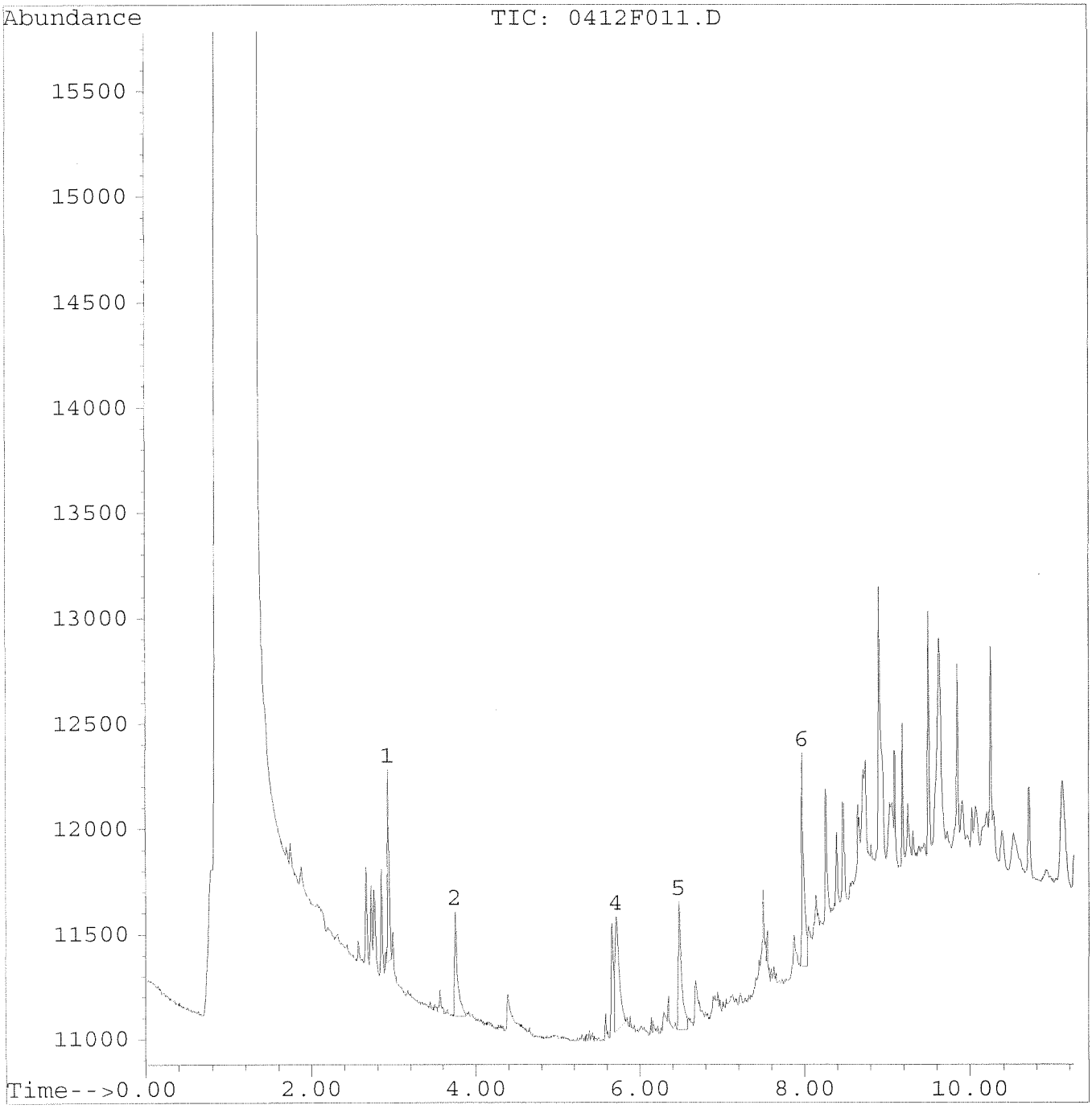
Quantitation Report

Data File : J:\GC05\DATA\041205\0412F011.D
Acq On : 12 Apr 05 03:12 PM
Sample : K2502554-001
Misc :
Quant Time: Apr 13 12:59 19105

Vial: 11
Operator: mthompson
Inst : GC05
Multiplr: 1.00

Method : J:\GC05\METHODS\BNASCRN.M
Title : Methods 625/8270 screening.
Last Update : Sat Feb 26 10:52:02 2005
Response via : Single Level Calibration

Volume Inj. :
Signal Phase :
Signal Info :



Instrument RunLog

Instrument ID: MS10
Department: SVM
Analysis Lot: KWG0506208

Instrument Type: MS

FileSpecification	Type	Laboratory ID	Client ID	Product	Matrix	Dilution	Acquisition Started	Acquisition Ended
J:\MS10\DATA\041505\0415F001.D	CCV	KWG0506208-2	Continuing Calibration	8270-LL	SOLID	1.0	04/15/2005 10:13:00	04/15/2005 10:42:59
J:\MS10\DATA\041505\0415T001.D	TUNE	KWG0506208-1	GC/MS Tuning - Gen	8270-LL	SOLID	1.0	04/15/2005 10:13:00	04/15/2005 10:42:59
J:\MS10\DATA\041505\0415F002.D	CCV	KWG0506208-2	Continuing Calibration	8270-LL	SOLID	1.0	04/15/2005 11:01:00	04/15/2005 11:30:59
J:\MS10\DATA\041505\0415F003.D	MB	KWG0505755-7	Method Blank	8270-LL	SOIL	1.0	04/15/2005 11:41:00	04/15/2005 12:10:59
J:\MS10\DATA\041505\0415F004.D	LCS	KWG0505755-5	Lab Control Sample	8270-LL	SOIL	1.0	04/15/2005 12:22:00	04/15/2005 12:51:59
J:\MS10\DATA\041505\0415F005.D	DLCS	KWG0505755-6	Duplicate Lab Control S	8270-LL	SOIL	1.0	04/15/2005 13:01:00	04/15/2005 13:31:00
J:\MS10\DATA\041505\0415F006.D	SMPL	K2502554-001	TO63-IDW-01	8270-LL	SOIL	1.0	04/15/2005 13:40:00	04/15/2005 14:09:59
J:\MS10\DATA\041505\0415F007.D	SMPL	K2502499-008	T063-SPN-SB02-0-0.5	8270-LL	SOIL	1.0	04/15/2005 14:20:00	04/15/2005 14:49:59
J:\MS10\DATA\041505\0415F008.D	SMPL	K2502499-009	T063-SPN-SB02-4-5	8270-LL	SOIL	1.0	04/15/2005 14:59:00	04/15/2005 15:28:59
J:\MS10\DATA\041505\0415F009.D	SMPL	K2502499-010	T063-SPN-SB03-0-0.5	8270-LL	SOIL	1.0	04/15/2005 15:39:00	04/15/2005 16:08:59
J:\MS10\DATA\041505\0415F010.D	SMPL	K2502499-011	T063-R1-SB02-0-0.5	8270-LL	SOIL	1.0	04/15/2005 16:22:00	04/15/2005 16:52:00
J:\MS10\DATA\041505\0415F011.D	MS	KWG0505755-1	Matrix Spike	8270-LL	SOIL	1.0	04/15/2005 17:01:00	04/15/2005 17:30:59
J:\MS10\DATA\041505\0415F012.D	DMS	KWG0505755-2	Duplicate Matrix Spike	8270-LL	SOIL	1.0	04/15/2005 17:41:00	04/15/2005 18:10:59
J:\MS10\DATA\041505\0415F013.D	SMPL	K2502499-012	T063-R1-SB01-0-0.5 D	8270-LL	SOIL	1.0	04/15/2005 18:20:00	04/15/2005 18:49:59
J:\MS10\DATA\041505\0415F014.D	SMPL	K2501815-013	EAD-7005-SWAEQBL	8270-LL	WATER	1.0	04/15/2005 19:00:00	04/15/2005 19:29:59
J:\MS10\DATA\041505\0415F015.D	SMPL	K2501945-005	EAD-3023-IR1SED05-	8270-LL	SEDIME	10.0	04/15/2005 19:39:00	04/15/2005 20:09:00
J:\MS10\DATA\041505\0415F016.D	SMPL	K2501945-006	EAD-3025-IR1SED07-	8270-LL	SEDIME	5.0	04/15/2005 20:18:00	04/15/2005 20:47:59
J:\MS10\DATA\041505\0415F017.D	SMPL	K2501945-007	EAD-3026-IR1SED08-	8270-LL	SEDIME	10.0	04/15/2005 20:58:00	04/15/2005 21:28:00
J:\MS10\DATA\041505\0415F018.D	SMPL	K2501945-008	EAD-3027-IR1SED09-	8270-LL	SEDIME	10.0	04/15/2005 21:37:00	04/15/2005 22:06:59
J:\MS10\DATA\041505\0415F019.D	SMPL	K2501945-009	EAD-3028-IR1SED10-	8270-LL	SEDIME	10.0	04/15/2005 22:16:00	04/15/2005 22:45:59
J:\MS10\DATA\041505\0415F020.D	IB	KWG0506208-3	Instrument Blank	8270-LL	SOLID	10.0	04/15/2005 22:55:00	04/15/2005 23:24:59

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4/18/05 * CAL 4375 4/19/25